

Return of Organization Exempt From Income Tax

2017

Department of the Treasury
Internal Revenue Service

Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)

- ▶ Do not enter social security numbers on this form as it may be made public.
- ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Open to Public Inspection

A For the **2017** calendar year, or tax year beginning , **2017**, and ending , **20**

B Check if applicable:

<input type="checkbox"/>	Address change
<input type="checkbox"/>	Name change
<input type="checkbox"/>	Initial return
<input type="checkbox"/>	Final return/terminated
<input type="checkbox"/>	Amended return
<input type="checkbox"/>	Application pending

C Name of organization: **MATHEMATICAL OPTIMIZATION SOCIETY, INC.**
 Doing business as: _____
 Number and street (or P.O. box if mail is not delivered to street address) Room/suite: **3600 UNIVERSITY SCIENCE CENTER**
 City or town, state or province, country, and ZIP or foreign postal code: **PHILADELPHIA, PA 19104**

D Employer identification number: **23-2161580**

E Telephone number: **(718) 263-9874**

F Name and address of principal officer: **KAREN AARDAL**
3600 UNIVERSITY SCIENCE CENTER PHILADELPHIA, PA 1910

G Gross receipts \$: **51,111.**

H(a) Is this a group return for subordinates? Yes No
H(b) Are all subordinates included? Yes No
 If "No," attach a list. (see instructions)

I Tax-exempt status: 501(c)(3) 501(c) () ◀ (insert no.) 4947(a)(1) or 527

J Website: ▶ **WWW.MATHOPT.ORG**

K Form of organization: Corporation Trust Association Other ▶ _____

L Year of formation: **1981** **M** State of legal domicile: **PA**

H(c) Group exemption number ▶ _____

Part I Summary

Activities & Governance	1 Briefly describe the organization's mission or most significant activities: <u>ADVANCE KNOWLEDGE OF MATHEMATICAL OPTIMIZATION</u>
	2 Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.
	3 Number of voting members of the governing body (Part VI, line 1a) 3 8.
	4 Number of independent voting members of the governing body (Part VI, line 1b) 4 7.
	5 Total number of individuals employed in calendar year 2017 (Part V, line 2a) 5 0.
	6 Total number of volunteers (estimate if necessary) 6 0.
	7a Total unrelated business revenue from Part VIII, column (C), line 12 7a 0.
7b Net unrelated business taxable income from Form 990-T, line 34 7b 0.	
Revenue	8 Contributions and grants (Part VIII, line 1h) 8 0.
	9 Program service revenue (Part VIII, line 2g) 9 183,380.
	10 Investment income (Part VIII, column (A), lines 3, 4, and 7d) 10 2,288.
	11 Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e) 11 125.
	12 Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12) 12 185,793.
	13 Grants and similar amounts paid (Part IX, column (A), lines 1-3) 13 0.
Expenses	14 Benefits paid to or for members (Part IX, column (A), line 4) 14 0.
	15 Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10) 15 0.
	16a Professional fundraising fees (Part IX, column (A), line 11e) 16a 0.
	16b Total fundraising expenses (Part IX, column (D), line 25) ▶ 16b 0.
	17 Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e) 17 47,527.
	18 Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25) 18 47,527.
Net Assets or Fund Balances	19 Revenue less expenses. Subtract line 18 from line 12 19 138,266.
	20 Total assets (Part X, line 16) 20 818,744.
	21 Total liabilities (Part X, line 26) 21 4,257.
	22 Net assets or fund balances. Subtract line 21 from line 20 22 814,487.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here

Signature of officer: *Marina Epelman* Date: **11/09/2018**

Type or print name and title: **MARINA A EPELMAN** **TREASURER**

Paid Preparer Use Only

Print/Type preparer's name: **FRANK GIARDINI** Preparer's signature: _____ Date: _____

Firm's name: ▶ **GRANT THORNTON LLP** Firm's EIN: ▶ **36-6055558**

Firm's address: ▶ **2001 MARKET STREET, SUITE 700 PHILADELPHIA, PA 19103** Phone no.: **215-561-4200**

May the IRS discuss this return with the preparer shown above? (see instructions) Yes No

For Paperwork Reduction Act Notice, see the separate instructions. Form **990** (2017)

Part III Statement of Program Service Accomplishments

Check if Schedule O contains a response or note to any line in this Part III

1 Briefly describe the organization's mission:

ATTACHMENT 1

2 Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ?

Yes No

If "Yes," describe these new services on Schedule O.

3 Did the organization cease conducting, or make significant changes in how it conducts, any program services?

Yes No

If "Yes," describe these changes on Schedule O.

4 Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.

4a (Code:) (Expenses \$ 73,446. including grants of \$) (Revenue \$ 44,512.)

PREPARE, PUBLISH AND DISTRIBUTE THE SOCIETY'S TECHNICAL JOURNALS:

(1) MATHEMATICAL PROGRAMMING A, 6-9 TIMES A YEAR, (2) MATHEMATICAL PROGRAMMING B INTERMITTENTLY, AND (3) MATHEMATICAL PROGRAMMING COMPUTATION INTERMITTENTLY. PREPARE, PUBLISH, AND DISTRIBUTE THE SOCIETY'S GENERAL NEWSLETTER, OPTIMA.

4b (Code:) (Expenses \$ including grants of \$) (Revenue \$)

4c (Code:) (Expenses \$ including grants of \$) (Revenue \$)

4d Other program services (Describe in Schedule O.)

(Expenses \$ including grants of \$) (Revenue \$)

4e Total program service expenses 73,446.

Part IV Checklist of Required Schedules

Table with 3 columns: Question number, Yes, No. Rows 1-19 with various questions about organization activities and financial reporting.

Part IV Checklist of Required Schedules (continued)

	Yes	No
20a Did the organization operate one or more hospital facilities? <i>If "Yes," complete Schedule H.</i>		X
b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? <i>If "Yes," complete Schedule I, Parts I and II.</i>		X
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? <i>If "Yes," complete Schedule I, Parts I and III.</i>		X
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? <i>If "Yes," complete Schedule J.</i>		X
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? <i>If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a.</i>		X
b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		
c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		
d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		
25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? <i>If "Yes," complete Schedule L, Part I.</i>		X
b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? <i>If "Yes," complete Schedule L, Part I.</i>		X
26 Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? <i>If "Yes," complete Schedule L, Part II.</i>		X
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? <i>If "Yes," complete Schedule L, Part III.</i>		X
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
a A current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV.</i>		X
b A family member of a current or former officer, director, trustee, or key employee? <i>If "Yes," complete Schedule L, Part IV.</i>		X
c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? <i>If "Yes," complete Schedule L, Part IV.</i>		X
29 Did the organization receive more than \$25,000 in non-cash contributions? <i>If "Yes," complete Schedule M.</i>		X
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? <i>If "Yes," complete Schedule M.</i>		X
31 Did the organization liquidate, terminate, or dissolve and cease operations? <i>If "Yes," complete Schedule N, Part I.</i>		X
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? <i>If "Yes," complete Schedule N, Part II.</i>		X
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? <i>If "Yes," complete Schedule R, Part I.</i>		X
34 Was the organization related to any tax-exempt or taxable entity? <i>If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1.</i>		X
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?		X
b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? <i>If "Yes," complete Schedule R, Part V, line 2.</i>		
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? <i>If "Yes," complete Schedule R, Part V, line 2.</i>		X
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? <i>If "Yes," complete Schedule R, Part VI.</i>		X
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19? Note. All Form 990 filers are required to complete Schedule O.	X	

Part V Statements Regarding Other IRS Filings and Tax Compliance

Check if Schedule O contains a response or note to any line in this Part V

Table with columns for question numbers (1a-14b), Yes/No checkboxes, and input fields for numerical values.

Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.

Check if Schedule O contains a response or note to any line in this Part VI [X]

Section A. Governing Body and Management

Table with 4 columns: Question, Yes, No. Rows include 1a (8), 1b (7), 2, 3, 4, 5, 6, 7a, 7b, 8, 8a, 8b, 9.

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

Table with 4 columns: Question, Yes, No. Rows include 10a, 10b, 11a, 11b, 12a, 12b, 12c, 13, 14, 15a, 15b, 16a, 16b.

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed
18 Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection.
19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
20 State the name, address, and telephone number of the person who possesses the organization's books and records:

MARINA A EPELMAN 3600 UNIVERSITY SCIENCE CENTER PHILADELPHIA, PA 19104 734-717-7805

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII.

Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees

1a Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
- List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
- List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
- List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
- List all of the organization's **former directors or trustees** that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.

List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) WILLIAM COOK VICE-CHAIR	2.00 0.	X		X				0.	0.	0.
(2) KAREN AARDAL VICE-CHAIR, CHAIR	8.00 0.	X		X				0.	0.	0.
(3) LUIS NUNES VICENTE CHAIR OF EXECUTIVE COMMITTEE	1.00 0.	X						0.	0.	0.
(4) SHABBIR AHMED COUNCIL MEMBER AT-LARGE	1.00 0.	X						0.	0.	0.
(5) ROBERTO COMINETTI COUNCIL MEMBER AT-LARGE	1.00 0.	X						0.	0.	0.
(6) JACEK GONDZIO COUNCIL MEMBER AT-LARGE	1.00 0.	X						0.	0.	0.
(7) ADRIAN LEWIS COUNCIL MEMBER AT-LARGE	1.00 0.	X						500.	0.	0.
(8) MARINA EPELMAN TREASURER	4.00 0.	X		X				0.	0.	0.
(9)										
(10)										
(11)										
(12)										
(13)										
(14)										

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below dotted line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
1b Sub-total							500.	0.	0.	
c Total from continuation sheets to Part VII, Section A							0.	0.	0.	
d Total (add lines 1b and 1c)							500.	0.	0.	

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization **0.**

	Yes	No
3 Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? <i>If "Yes," complete Schedule J for such individual</i>		X
4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? <i>If "Yes," complete Schedule J for such individual</i>		X
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? <i>If "Yes," complete Schedule J for such person</i>		X

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 in compensation from the organization **0.**

Part VIII Statement of Revenue

Check if Schedule O contains a response or note to any line in this Part VIII.

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512-514
Contributions, Gifts, Grants and Other Similar Amounts	1a Federated campaigns	1a					
	b Membership dues	1b					
	c Fundraising events	1c					
	d Related organizations	1d					
	e Government grants (contributions) . .	1e					
	f All other contributions, gifts, grants, and similar amounts not included above .	1f					
	g Noncash contributions included in lines 1a-1f: \$ _____						
	h Total. Add lines 1a-1f ▶			0.			
Program Service Revenue	2a SUBSCRIPTIONS			Business Code			
					35,927.	35,927.	
	b MEMBERSHIP FEES				8,585.	8,585.	
	c _____						
	d _____						
	e _____						
	f All other program service revenue						
g Total. Add lines 2a-2f ▶				44,512.			
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts). ▶			6,599.			6,599.
	4 Income from investment of tax-exempt bond proceeds . ▶			0.			
	5 Royalties ▶			0.			
	6a Gross rents	(i) Real	(ii) Personal				
		b Less: rental expenses					
		c Rental income or (loss)					
		d Net rental income or (loss) ▶			0.		
	7a Gross amount from sales of assets other than inventory	(i) Securities	(ii) Other				
		b Less: cost or other basis and sales expenses					
		c Gain or (loss)					
		d Net gain or (loss) ▶			0.		
	8a Gross income from fundraising events (not including \$ _____ of contributions reported on line 1c). See Part IV, line 18 a						
		b Less: direct expenses b					
		c Net income or (loss) from fundraising events. ▶			0.		
	9a Gross income from gaming activities. See Part IV, line 19 a						
b Less: direct expenses b							
c Net income or (loss) from gaming activities. ▶				0.			
10a Gross sales of inventory, less returns and allowances a							
	b Less: cost of goods sold b						
	c Net income or (loss) from sales of inventory. ▶			0.			
Miscellaneous Revenue			Business Code				
11a _____							
b _____							
c _____							
d All other revenue							
e Total. Add lines 11a-11d ▶				0.			
12 Total revenue. See instructions. ▶				51,111.	44,512.	6,599.	

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX X

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	0.			
2 Grants and other assistance to domestic individuals. See Part IV, line 22	0.			
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	0.			
4 Benefits paid to or for members	0.			
5 Compensation of current officers, directors, trustees, and key employees	0.			
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	0.			
7 Other salaries and wages	0.			
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	0.			
9 Other employee benefits	0.			
10 Payroll taxes	0.			
11 Fees for services (non-employees):				
a Management	0.			
b Legal	0.			
c Accounting	0.			
d Lobbying	0.			
e Professional fundraising services. See Part IV, line 17.	0.			
f Investment management fees	0.			
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Schedule O.) <u>ATCH 2</u>	20,604.	20,604.		
12 Advertising and promotion	0.			
13 Office expenses	14,078.	14,078.		
14 Information technology	0.			
15 Royalties	0.			
16 Occupancy	0.			
17 Travel	687.	687.		
18 Payments of travel or entertainment expenses for any federal, state, or local public officials	0.			
19 Conferences, conventions, and meetings	0.			
20 Interest	0.			
21 Payments to affiliates	0.			
22 Depreciation, depletion, and amortization	0.			
23 Insurance	0.			
24 Other expenses. Itemize expenses not covered above (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a <u>ADMIN FEES AND HONORARIA</u>	38,457.	38,077.	380.	
b <u>BANK FEES AND CREDIT CHARGES</u>	1,235.		1,235.	
c _____				
d _____				
e All other expenses _____				
25 Total functional expenses. Add lines 1 through 24e	75,061.	73,446.	1,615.	
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation. Check here <input type="checkbox"/> if following SOP 98-2 (ASC 958-720)	0.			

Part X Balance Sheet

Check if Schedule O contains a response or note to any line in this Part X.

		(A) Beginning of year		(B) End of year
Assets	1 Cash - non-interest-bearing	44,248.	1	29,991.
	2 Savings and temporary cash investments	751,606.	2	723,205.
	3 Pledges and grants receivable, net	0.	3	0.
	4 Accounts receivable, net	140.	4	70.
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L	0.	5	0.
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instructions). Complete Part II of Schedule L	0.	6	0.
	7 Notes and loans receivable, net	0.	7	0.
	8 Inventories for sale or use	0.	8	0.
	9 Prepaid expenses and deferred charges	0.	9	0.
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a		
	b Less: accumulated depreciation	10b	0.	10c 0.
	11 Investments - publicly traded securities ATCH 3	22,750.	11	22,750.
	12 Investments - other securities. See Part IV, line 11	0.	12	0.
	13 Investments - program-related. See Part IV, line 11	0.	13	0.
	14 Intangible assets	0.	14	0.
	15 Other assets. See Part IV, line 11	0.	15	0.
16 Total assets. Add lines 1 through 15 (must equal line 34)	818,744.	16	776,016.	
Liabilities	17 Accounts payable and accrued expenses	370.	17	0.
	18 Grants payable	0.	18	0.
	19 Deferred revenue	3,887.	19	5,479.
	20 Tax-exempt bond liabilities	0.	20	0.
	21 Escrow or custodial account liability. Complete Part IV of Schedule D	0.	21	0.
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L	0.	22	0.
	23 Secured mortgages and notes payable to unrelated third parties	0.	23	0.
	24 Unsecured notes and loans payable to unrelated third parties	0.	24	0.
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	0.	25	0.
	26 Total liabilities. Add lines 17 through 25	4,257.	26	5,479.
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets	746,650.	27	702,256.
	28 Temporarily restricted net assets	48,529.	28	48,783.
	29 Permanently restricted net assets	19,308.	29	19,498.
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds		30	
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
	33 Total net assets or fund balances	814,487.	33	770,537.
34 Total liabilities and net assets/fund balances	818,744.	34	776,016.	

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI.

1	Total revenue (must equal Part VIII, column (A), line 12)	1	51,111.
2	Total expenses (must equal Part IX, column (A), line 25)	2	75,061.
3	Revenue less expenses. Subtract line 2 from line 1	3	-23,950.
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	814,487.
5	Net unrealized gains (losses) on investments	5	0.
6	Donated services and use of facilities	6	0.
7	Investment expenses	7	0.
8	Prior period adjustments	8	0.
9	Other changes in net assets or fund balances (explain in Schedule O)	9	-20,000.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	770,537.

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII.

- 1** Accounting method used to prepare the Form 990: Cash Accrual Other _____
If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.
- 2a** Were the organization's financial statements compiled or reviewed by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- b** Were the organization's financial statements audited by an independent accountant?
If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both:
 Separate basis Consolidated basis Both consolidated and separate basis
- c** If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.
- 3a** As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?
- b** If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits.

	Yes	No
2a		X
2b		X
2c		
3a		X
3b		

SCHEDULE A
(Form 990 or 990-EZ)

Public Charity Status and Public Support

OMB No. 1545-0047

2017

Open to Public Inspection

Department of the Treasury
Internal Revenue Service

Complete if the organization is a section 501(c)(3) organization or a section 4947(a)(1) nonexempt charitable trust.

▶ Attach to Form 990 or Form 990-EZ.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

Name of the organization MATHEMATICAL OPTIMIZATION SOCIETY, INC.	Employer identification number 23-2161580
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Part I Reason for Public Charity Status (All organizations must complete this part.) See instructions.

The organization is not a private foundation because it is: (For lines 1 through 12, check only one box.)

- 1 A church, convention of churches, or association of churches described in **section 170(b)(1)(A)(i)**.
- 2 A school described in **section 170(b)(1)(A)(ii)**. (Attach Schedule E (Form 990 or 990-EZ).)
- 3 A hospital or a cooperative hospital service organization described in **section 170(b)(1)(A)(iii)**.
- 4 A medical research organization operated in conjunction with a hospital described in **section 170(b)(1)(A)(iii)**. Enter the hospital's name, city, and state: _____
- 5 An organization operated for the benefit of a college or university owned or operated by a governmental unit described in **section 170(b)(1)(A)(iv)**. (Complete Part II.)
- 6 A federal, state, or local government or governmental unit described in **section 170(b)(1)(A)(v)**.
- 7 An organization that normally receives a substantial part of its support from a governmental unit or from the general public described in **section 170(b)(1)(A)(vi)**. (Complete Part II.)
- 8 A community trust described in **section 170(b)(1)(A)(vi)**. (Complete Part II.)
- 9 An agricultural research organization described in **section 170(b)(1)(A)(ix)** operated in conjunction with a land-grant college or university or a non-land-grant college of agriculture (see instructions). Enter the name, city, and state of the college or university: _____
- 10 An organization that normally receives: (1) more than 33 1/3 % of its support from contributions, membership fees, and gross receipts from activities related to its exempt functions - subject to certain exceptions, and (2) no more than 33 1/3 % of its support from gross investment income and unrelated business taxable income (less section 511 tax) from businesses acquired by the organization after June 30, 1975. See **section 509(a)(2)**. (Complete Part III.)
- 11 An organization organized and operated exclusively to test for public safety. See **section 509(a)(4)**.
- 12 An organization organized and operated exclusively for the benefit of, to perform the functions of, or to carry out the purposes of one or more publicly supported organizations described in **section 509(a)(1)** or **section 509(a)(2)**. See **section 509(a)(3)**.
Check the box in lines 12a through 12d that describes the type of supporting organization and complete lines 12e, 12f, and 12g.
 - a **Type I.** A supporting organization operated, supervised, or controlled by its supported organization(s), typically by giving the supported organization(s) the power to regularly appoint or elect a majority of the directors or trustees of the supporting organization. **You must complete Part IV, Sections A and B.**
 - b **Type II.** A supporting organization supervised or controlled in connection with its supported organization(s), by having control or management of the supporting organization vested in the same persons that control or manage the supported organization(s). **You must complete Part IV, Sections A and C.**
 - c **Type III functionally integrated.** A supporting organization operated in connection with, and functionally integrated with, its supported organization(s) (see instructions). **You must complete Part IV, Sections A, D, and E.**
 - d **Type III non-functionally integrated.** A supporting organization operated in connection with its supported organization(s) that is not functionally integrated. The organization generally must satisfy a distribution requirement and an attentiveness requirement (see instructions). **You must complete Part IV, Sections A and D, and Part V.**
 - e Check this box if the organization received a written determination from the IRS that it is a Type I, Type II, Type III functionally integrated, or Type III non-functionally integrated supporting organization.
 - f Enter the number of supported organizations.
 - g Provide the following information about the supported organization(s).

(i) Name of supported organization	(ii) EIN	(iii) Type of organization (described on lines 1-10 above (see instructions))	(iv) Is the organization listed in your governing document?		(v) Amount of monetary support (see instructions)	(vi) Amount of other support (see instructions)
			Yes	No		
(A)						
(B)						
(C)						
(D)						
(E)						
Total						

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)
(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Table with 7 columns: (a) 2013, (b) 2014, (c) 2015, (d) 2016, (e) 2017, (f) Total. Rows include: 1 Gifts, grants, contributions, and membership fees received; 2 Tax revenues levied for the organization's benefit; 3 The value of services or facilities furnished by a governmental unit; 4 Total. Add lines 1 through 3; 5 The portion of total contributions by each person; 6 Public support. Subtract line 5 from line 4.

Section B. Total Support

Table with 7 columns: (a) 2013, (b) 2014, (c) 2015, (d) 2016, (e) 2017, (f) Total. Rows include: 7 Amounts from line 4; 8 Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources; 9 Net income from unrelated business activities; 10 Other income. Do not include gain or loss from the sale of capital assets; 11 Total support. Add lines 7 through 10; 12 Gross receipts from related activities, etc. (see instructions); 13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here.

Section C. Computation of Public Support Percentage

Table with 3 columns: Line number, Description, and Percentage. Rows include: 14 Public support percentage for 2017; 15 Public support percentage from 2016 Schedule A, Part II, line 14; 16a 33 1/3% support test - 2017; b 33 1/3% support test - 2016; 17a 10%-facts-and-circumstances test - 2017; b 10%-facts-and-circumstances test - 2016; 18 Private foundation.

Part III Support Schedule for Organizations Described in Section 509(a)(2)
 (Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II.
 If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	35,474.	35,534.	87,796.	45,617.	8,585.	213,006.
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose	54,384.	53,447.	48,135.	137,763.	35,927.	329,656.
3 Gross receipts from activities that are not an unrelated trade or business under section 513						0.
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						0.
5 The value of services or facilities furnished by a governmental unit to the organization without charge						0.
6 Total. Add lines 1 through 5.	89,858.	88,981.	135,931.	183,380.	44,512.	542,662.
7a Amounts included on lines 1, 2, and 3 received from disqualified persons	720.	720.	720.	720.	720.	3,600.
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						0.
c Add lines 7a and 7b.	720.	720.	720.	720.	720.	3,600.
8 Public support. (Subtract line 7c from line 6.)						539,062.

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
9 Amounts from line 6.	89,858.	88,981.	135,931.	183,380.	44,512.	542,662.
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	488.	381.	364.	2,288.	6,599.	10,120.
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						0.
c Add lines 10a and 10b	488.	381.	364.	2,288.	6,599.	10,120.
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on.						0.
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.) <u>ATCH 1</u>				125.		125.
13 Total support. (Add lines 9, 10c, 11, and 12.)	90,346.	89,362.	136,295.	185,793.	51,111.	552,907.

14 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here**

Section C. Computation of Public Support Percentage

15 Public support percentage for 2017 (line 8, column (f) divided by line 13, column (f)).	15	97.50 %
16 Public support percentage from 2016 Schedule A, Part III, line 15	16	98.85 %

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2017 (line 10c, column (f) divided by line 13, column (f))	17	1.83 %
18 Investment income percentage from 2016 Schedule A, Part III, line 17	18	.58 %

19a 33 1/3% support tests - 2017. If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization .

b 33 1/3% support tests - 2016. If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here**. The organization qualifies as a publicly supported organization ►

20 Private foundation. If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ►

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

	Yes	No
1 Are all of the organization's supported organizations listed by name in the organization's governing documents? <i>If "No," describe in Part VI how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.</i>		
2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? <i>If "Yes," explain in Part VI how the organization determined that the supported organization was described in section 509(a)(1) or (2).</i>		
3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? <i>If "Yes," answer (b) and (c) below.</i>		
b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? <i>If "Yes," describe in Part VI when and how the organization made the determination.</i>		
c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? <i>If "Yes," explain in Part VI what controls the organization put in place to ensure such use.</i>		
4a Was any supported organization not organized in the United States ("foreign supported organization")? <i>If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.</i>		
b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? <i>If "Yes," describe in Part VI how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.</i>		
c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? <i>If "Yes," explain in Part VI what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.</i>		
5a Did the organization add, substitute, or remove any supported organizations during the tax year? <i>If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in Part VI, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).</i>		
b Type I or Type II only. Was any added or substituted supported organization part of a class already designated in the organization's organizing document?		
c Substitutions only. Was the substitution the result of an event beyond the organization's control?		
6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? <i>If "Yes," provide detail in Part VI.</i>		
7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? <i>If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).</i>		
9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? <i>If "Yes," provide detail in Part VI.</i>		
b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? <i>If "Yes," provide detail in Part VI.</i>		
c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? <i>If "Yes," provide detail in Part VI.</i>		
10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? <i>If "Yes," answer 10b below.</i>		
b Did the organization have any excess business holdings in the tax year? <i>(Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)</i>		

Part IV Supporting Organizations (continued)

	Yes	No
11 Has the organization accepted a gift or contribution from any of the following persons?		
a A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?	11 a	
b A family member of a person described in (a) above?	11 b	
c A 35% controlled entity of a person described in (a) or (b) above? <i>If "Yes" to a, b, or c, provide detail in Part VI.</i>	11 c	

Section B. Type I Supporting Organizations

	Yes	No
1 Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? <i>If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.</i>	1	
2 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? <i>If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised, or controlled the supporting organization.</i>	2	

Section C. Type II Supporting Organizations

	Yes	No
1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? <i>If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).</i>	1	

Section D. All Type III Supporting Organizations

	Yes	No
1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?	1	
2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? <i>If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).</i>	2	
3 By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? <i>If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.</i>	3	

Section E. Type III Functionally Integrated Supporting Organizations

1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).			
a <input type="checkbox"/> The organization satisfied the Activities Test. Complete line 2 below.			
b <input type="checkbox"/> The organization is the parent of each of its supported organizations. Complete line 3 below.			
c <input type="checkbox"/> The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).			
2 Activities Test. Answer (a) and (b) below.		Yes	No
a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? <i>If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.</i>	2a		
b Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? <i>If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.</i>	2b		
3 Parent of Supported Organizations. Answer (a) and (b) below.			
a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? <i>Provide details in Part VI.</i>	3a		
b Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? <i>If "Yes," describe in Part VI the role played by the organization in this regard.</i>	3b		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

1 Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI). **See instructions.** All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1 Net short-term capital gain	1		
2 Recoveries of prior-year distributions	2		
3 Other gross income (see instructions)	3		
4 Add lines 1 through 3.	4		
5 Depreciation and depletion	5		
6 Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6		
7 Other expenses (see instructions)	7		
8 Adjusted Net Income (subtract lines 5, 6, and 7 from line 4).	8		

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1 Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):			
a Average monthly value of securities	1a		
b Average monthly cash balances	1b		
c Fair market value of other non-exempt-use assets	1c		
d Total (add lines 1a, 1b, and 1c)	1d		
e Discount claimed for blockage or other factors (explain in detail in Part VI):			
2 Acquisition indebtedness applicable to non-exempt-use assets	2		
3 Subtract line 2 from line 1d.	3		
4 Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions).	4		
5 Net value of non-exempt-use assets (subtract line 4 from line 3)	5		
6 Multiply line 5 by .035.	6		
7 Recoveries of prior-year distributions	7		
8 Minimum Asset Amount (add line 7 to line 6)	8		

Section C - Distributable Amount			Current Year
1 Adjusted net income for prior year (from Section A, line 8, Column A)	1		
2 Enter 85% of line 1.	2		
3 Minimum asset amount for prior year (from Section B, line 8, Column A)	3		
4 Enter greater of line 2 or line 3.	4		
5 Income tax imposed in prior year	5		
6 Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions).	6		

7 Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions.	
7 Total annual distributions. Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	
9 Distributable amount for 2017 from Section C, line 6	
10 Line 8 amount divided by Line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2017	(iii) Distributable Amount for 2017
1 Distributable amount for 2017 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2017 (reasonable cause required-explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2017			
a			
b From 2013			
c From 2014			
d From 2015			
e From 2016			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2017 distributable amount			
i Carryover from 2012 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2017 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2017 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2017, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions.			
6 Remaining underdistributions for 2017. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7 Excess distributions carryover to 2018. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2013			
b Excess from 2014			
c Excess from 2015			
d Excess from 2016			
e Excess from 2017			

Part VI **Supplemental Information.** Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a and 3b; Part V, line 1; Part V, Section B, line 1e; Part V, Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information. (See instructions.)

ATTACHMENT 1

SCHEDULE A, PART III - OTHER INCOME

DESCRIPTION	2013	2014	2015	2016	2017	TOTAL
OTHER INCOME				125.		125.
TOTALS				<u>125.</u>		<u>125.</u>

**SCHEDULE O
(Form 990 or 990-EZ)**

Department of the Treasury
Internal Revenue Service

Name of the organization

MATHEMATICAL OPTIMIZATION SOCIETY, INC.

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

▶ Information about Schedule O (Form 990 or 990-EZ) and its instructions is at www.irs.gov/form990.

OMB No. 1545-0047

2017

**Open to Public
Inspection**

Employer identification number

23-2161580

FORM 990, PART VI, SECTION A, QUESTION 6

THE SOCIETY CONSISTS OF DUES-PAYING MEMBERS FROM ACADEMIA, INDUSTRY, AND RESEARCH LABS.

FORM 990, PART VI, SECTION A, QUESTION 7

ELECTIONS ARE HELD ONCE EVERY THREE YEARS TO ELECT THE CHAIR, VICE CHAIR, TREASURER, AND 4 COUNCIL MEMBERS AT LARGE. THE CHAIR OF THE EXECUTIVE COMMITTEE IS APPOINTED BY THE COUNCIL, FOLLOWING A NOMINATION BY THE CHAIR, WHICH THE COUNCIL MAY APPROVE OR DISAPPROVE, AND THEREAFTER SERVES UNTIL THE CHAIR NOMINATES A REPLACEMENT CANDIDATE FOR THE OFFICE.

FORM 990, PART VI, SECTION B, QUESTION 11A - REVIEW OF FORM 990

THE FORM 990 WAS PREPARED BY A NATIONALLY RENOWNED ACCOUNTING FIRM IN CONJUNCTION WITH THE ORGANIZATION'S FINANCIAL DEPARTMENT. A COPY OF THE DRAFT FORM 990 WAS CIRCULATED TO THE FULL EXECUTIVE COMMITTEE FOR DISCUSSION AND COMMENT. EACH EXECUTIVE COMMITTEE MEMBER WAS PROVIDED AMPLE OPPORTUNITY TO COMMENT ON THE INFORMATION CONTAINED IN THE 990 PRIOR TO ITS ELECTRONIC FILING WITH THE INTERNAL REVENUE SERVICE.

FORM 990, PART VI, SECTION B

QUESTION 12A - WRITTEN CONFLICT OF INTEREST POLICY EACH OFFICER, DIRECTOR, TRUSTEE AND KEY EMPLOYEE OF MOS IS REQUIRED TO ANNUALLY DISCLOSE ANY CONFLICTS OF INTEREST THAT ARISE BY VIRTUE OF THEIR EMPLOYMENT, BOARD SERVICE, OR POSITION WITH MOS. MOS MONITORS COMPLIANCE

Name of the organization MATHEMATICAL OPTIMIZATION SOCIETY, INC.	Employer identification number 23-2161580
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WITH ITS CONFLICT OF INTEREST POLICY THROUGH A SEMI-ANNUAL DISCLOSURE STATEMENT THAT IS DISTRIBUTED TO THESE INDIVIDUALS. POTENTIAL CONFLICTS ARE INVESTIGATED IMMEDIATELY.

FORM 990, PART VI, SECTION B, QUESTION 15A AND B

COUNCIL MEMBERS (INCLUDING ALL THREE OFFICERS WILL NOT RECEIVE ANY COMPENSATION FOR THEIR SERVICES AS COUNCIL MEMBERS, NOR WILL OFFICERS RECEIVE ANY COMPENSATION FOR THEIR SERVICES AS OFFICERS, BUT BY RESOLUTION OF THE COUNCIL, COUNCIL MEMBERS (INCLUDING OFFICERS) MAY BE REIMBURSED FOR THEIR EXPENSES OF ATTENDANCE AT COUNCIL MEETINGS. HOWEVER, NOTHING HEREIN WILL BE CONSTRUED TO PREVENT A COUNCIL MEMBER OR A MEMBER OF THE FAMILY OF SUCH COUNCIL MEMBER FROM SERVING THE SOCIETY IN ANOTHER CAPACITY FOR WHICH COMPENSATION OR AN HONORARIUM IS PAID. IF A COUNCIL MEMBER, OR A MEMBER OF THE FAMILY OF SUCH COUNCIL MEMBER SERVES THE SOCIETY IN ANOTHER CAPACITY FOR WHICH THE SOCIETY MAY PAY ANY OF THEM COMPENSATION, A REIMBURSEMENT, OR AN HONORARIUM, SUCH COUNCIL MEMBER SHALL REVEAL SUCH CONFLICT BEFORE THE COUNCIL CONSIDERS WHETHER TO APPROVE SUCH PAYMENT AND SHALL NOT VOTE ON A COUNCIL ACTION TO APPROVE SUCH PAYMENT. IF SUCH PAYMENT TO A COUNCIL MEMBER OR MEMBER OF THE FAMILY OF SUCH COUNCIL MEMBER SHALL BE EXPECTED IN COMBINATION WITH ANY OTHER PAYMENTS FOR SUCH CALENDAR YEAR TO EXCEED \$5,000, THE MEMBER SHALL ALSO NOT PARTICIPATE IN THE DISCUSSION WHETHER TO APPROVE SUCH PAYMENT. IN ANY CASE IN WHICH THE COUNCIL VOTES TO APPROVE A PAYMENT TO A COUNCIL MEMBER OR MEMBER OF THE FAMILY OF SUCH COUNCIL MEMBER, THE MINUTES SHALL INCLUDE:

(1) THE NAMES OF EACH PERSON WHO WAS PRESENT FOR THE DISCUSSION OF THE

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PAYMENT,

(2) THE NAMES OF EACH PERSON WHO WAS PRESENT FOR THE COUNCIL VOTE ON THE PAYMENT, AND

(3) THE NAMES AND VOTES OF EACH COUNCIL MEMBER WHO VOTED ON THE PAYMENT.

FOR THE PURPOSES OF THIS SECTION, THE FAMILY OF AN INDIVIDUAL INCLUDES ONLY HIS OR HER SPOUSE, ANCESTORS, BROTHERS AND SISTERS (WHETHER WHOLE OR HALF BLOOD), CHILDREN (WHETHER NATURAL OR ADOPTED), GRANDCHILDREN, GREAT-GRANDCHILDREN, AND SPOUSES OF BROTHERS, SISTERS, CHILDREN, GRANDCHILD.

FORM 990, PART VI, SECTION C, QUESTION 19 - GOVERNING DOCUMENTS

THE ORGANIZATION MAKES ITS GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY AND FINANCIAL STATEMENTS AVAILABLE BY POSTING TO THE ORGANIZATION'S WEBSITE.

FORM 990, PART IX, GRANTS

SELECTION CRITERIA USED TO AWARD THE GRANTS OR ASSISTANCE

A MEMBER OF A COMMITTEE THAT SELECTS THE WINNERS OF A PRIZE OR NAMED LECTURESHIP MAY NOT PARTICIPATE IN A DISCUSSION CONCERNING A CANDIDATE FOR THE AWARD IF THE CANDIDATE IS THE MEMBER'S SPOUSE, ANCESTOR, BROTHER, SISTER (WHETHER WHOLE OR HALF BLOOD), CHILD (WHETHER NATURAL OR ADOPTED), GRANDCHILD. GREAT-GRANDCHILD, OR THE SPOUSE OF THE MEMBER'S BROTHER, SISTER, CHILD, GRANDCHILD, OR GREAT GRANDCHILD. ANY SUCH COMMITTEE MEMBER SHALL REVEAL SUCH CONFLICT OF INTEREST BEFORE THE COMMITTEE CONSIDERS WHETHER SUCH FAMILY MEMBER SHOULD BE A PRIZE OR NAMED LECTURESHIP WINNER. A PRIZE OR NAMED-LECTURESHIP SELECTION COMMITTEE MAY NOT SELECT ONE OF

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ITS MEMBERSHIPS AS THE WINNER OF THE PRIZE OR NAMED LECTURESHIP FOR WHICH IT HAS BEEN ESTABLISHED.

PART XI - RECONCILIATION OF NET ASSETS

LINE 9 OTHER CHANGES IN NET ASSETS OR FUND BALANCE

FUND BALANCE TRANSFERS \$(20,000)

ATTACHMENT 1

FORM 990, PART III, LINE 1 - ORGANIZATION'S MISSION

THE SOCIETY IS AN INTERNATIONAL ORGANIZATION DEDICATED TO THE PROMOTION AND MAINTENANCE OF HIGH PROFESSIONAL STANDARDS IN THE SUBJECT OF MATHEMATICAL OPTIMIZATION. IT PUBLISHES THE JOURNALS MATHEMATICAL PROGRAMMING A AND B, CONSISTING OF TECHNICAL ARTICLES ON ALL ASPECTS OF THE SUBJECT; THE JOURNAL MATHEMATICAL PROGRAMMING COMPUTATION, FOR ARTICLES WITH A COMPUTATIONAL FOCUS; THE MOS/SIAM SERIES ON OPTIMIZATION, COMPRISING MONOGRAPHS AND TEXTS ON PARTICULAR OPTIMIZATION TOPICS; AND THE NEWSLETTER OPTIMA. EVERY THREE YEARS THE SOCIETY SPONSORS THE INTERNATIONAL SYMPOSIUM ON MATHEMATICAL PROGRAMMING (ISMP). IN OTHER YEARS, IT SUPPORTS THE CONFERENCE ON INTEGER PROGRAMMING AND COMBINATORIAL OPTIMIZATION (IPCO) AND THE INTERNATIONAL CONFERENCE ON CONTINUOUS OPTIMIZATION (ICCOPT).

ATTACHMENT 2

Name of the organization

MATHEMATICAL OPTIMIZATION SOCIETY, INC.

Employer identification number

23-2161580

ATTACHMENT 2 (CONT'D)FORM 990, PART IX - OTHER FEES

<u>DESCRIPTION</u>	<u>(A)</u> <u>TOTAL</u> <u>FEES</u>	<u>(B)</u> <u>PROGRAM</u> <u>SERVICE EXP.</u>	<u>(C)</u> <u>MANAGEMENT</u> <u>AND GENERAL</u>	<u>(D)</u> <u>FUNDRAISING</u> <u>EXPENSES</u>
PROFESSIONAL SERVICES - AMS	1,200.	1,200.		
PROFESSIONAL SERVICES - ADERA	19,404.	19,404.		
TOTALS	<u>20,604.</u>	<u>20,604.</u>		

ATTACHMENT 3FORM 990, PART X - INVESTMENTS - PUBLICLY TRADED SECURITIES

<u>DESCRIPTION</u>	<u>ENDING</u> <u>BOOK VALUE</u>
INVESTMENTS HELD BY 3RD PARTY	22,750.
TOTALS	<u>22,750.</u>