

January 26, 2024

**Re:** Dr. Asatur Zh. Khurshudyan  
Institute of Mechanics  
Armenian Academy of Sciences  
0019 Yerevan  
ARMENIA

To Whom It May Concern:

Dr. Asatur Zh. Khurshudyan accepted our invitation to become a reviewer for Mathematical Reviews on March 8, 2019. In that time, Dr. Khurshudyan has written 22 reviews for us. The details of the items reviewed are given in the attachment.

Mathematical Reviews relies on our reviewers for comprehensive and critical evaluation of the world's mathematical literature. The reviewers are an important component in the creation of the valuable guide that we publish as MathSciNet.

Please feel free to contact us if we can be of further assistance.

Yours sincerely,



Edward Dunne  
Executive Editor  
*Mathematical Reviews*

**MR4533717**

**Babadjian, Jean-François; Iurlano, Flaviana; Rindler, Filip**

**Shape optimization of light structures and the vanishing mass conjecture.**

**(English summary)**

*Duke Math. J.* **172** (2023), no. 1, 43–103.

**MR4622878**

**Avdonin, Sergei [Avdonin, Sergei A.]; Edward, Julian;**

**Leugering, Günter [Leugering, Günter R.]**

**Controllability for the wave equation on graph with cycle and delta-prime vertex conditions. (English summary)**

*Evol. Equ. Control Theory* **12** (2023), no. 6, 1542–1558.

**MR3878711**

**Allaire, Grégoire; Bogosel, Benjamin**

**Optimizing supports for additive manufacturing. (English summary)**

*Struct. Multidiscip. Optim.* **58** (2018), no. 6, 2493–2515.

**MR3960408**

**Zhang, Yu-Long; Wang, Jun-Min [Wang, Jun Min<sup>2</sup>]**

**Exact controllability of a micro beam with boundary bending moment. (English summary)**

*Internat. J. Control* **92** (2019), no. 6, 1335–1343.

**MR3983866**

**Aida-zade, K. R. [Aida-Zade, Kamil R.]; Gashimov, V. A.**

**Optimizing the arrangement of lumped sources and check points of a plate heating process. (Russian. English, Russian and Ukrainian summaries)**

*Kibernet. Sistem. Anal.* **55** (2019), no. 4, 97–108; translation in *Cybernet. Systems Anal.* **55** (2019), no. 4, 605–615.

**MR4013649**

**Nakić, Ivica; Tomljanović, Zoran; Truhar, Ninoslav**

**Mixed control of vibrational systems. (English summary)**

*ZAMM Z. Angew. Math. Mech.* **99** (2019), no. 9, e201800328, 15 pp.

**MR4047136**

**Nowak, Michał; Sokołowski, Jan; Źochowski, Antoni**

**Biomimetic approach to compliance optimization and multiple load cases.**

**(English summary)**

*J. Optim. Theory Appl.* **184** (2020), no. 1, 210–225.

**MR4104394**

**Gao, Peng [Gao, Peng<sup>6</sup>]**

**Some control problems for the Burgers equation. (English summary)**

*Rocky Mountain J. Math.* **50** (2020), no. 2, 559–581.

**MR4118172**

**Montoya, Cristhian**

**Remarks on local controllability for the Boussinesq system with Navier boundary condition. (English and French summaries)**

*C. R. Math. Acad. Sci. Paris* **358** (2020), no. 2, 169–175.

**MR4178983**

**Tian, Ye; Pu, Shiming; Shi, Tielin; Xia, Qi [Xia, Qi<sup>2</sup>]**

**A parametric divergence-free vector field method for the optimization of composite structures with curvilinear fibers. (English summary)**

*Comput. Methods Appl. Mech. Engrg.* **373** (2021), Paper No. 113574, 20 pp.

**MR4181290**

**Egidi, Michela; Nakić, Ivica; Seelmann, Albrecht; Täufer, Matthias; Tautenhahn, Martin; Veselić, Ivan**

**Null-controllability and control cost estimates for the heat equation on unbounded and large bounded domains. (English summary)**

*Control theory of infinite-dimensional systems*, 117–157, *Oper. Theory Adv. Appl.*, 277, Birkhäuser/Springer, Cham, 2020.

**MR4204393**

**Fernandez, Felipe; Lewicki, James P.; Tortorelli, Daniel A.**

**Optimal toolpath design of additive manufactured composite cylindrical structures. (English summary)**

*Comput. Methods Appl. Mech. Engrg.* **376** (2021), Paper No. 113673, 24 pp.

**MR4253806**

**Papadopoulos, Ioannis P. A.; Farrell, Patrick E.; Surowiec, Thomas M.**

**Computing multiple solutions of topology optimization problems. (English summary)**

*SIAM J. Sci. Comput.* **43** (2021), no. 3, A1555–A1582.

**MR4291067**

**Sierra Fonseca, Oscar Alfredo; Pazoto, Ademir F. [Pazoto, Ademir Fernando]**

**On the controllability of a nonlinear dispersive system in a weighted  $L^2$ -space. (English summary)**

*Differential Integral Equations* **34** (2021), no. 3-4, 127–164.

**MR4310147**

**Le, Van Chien; Ta, Thi Thanh Mai**

**Constrained shape optimization problem in elastic mechanics. (English summary)**

*Comput. Appl. Math.* **40** (2021), no. 7, Paper No. 240, 23 pp.

**MR4381145**

**Bołbotowski, Karol; Bouchitté, Guy**

**Optimal design versus maximal Monge-Kantorovich metrics. (English summary)**

*Arch. Ration. Mech. Anal.* **243** (2022), no. 3, 1449–1524.

**MR4405333**

Aouadi, Moncef; Mahfoudhi, Imed; Moulahi, Taoufik

Approximate controllability of nonsimple elastic plate with memory. (English summary)

*Discrete Contin. Dyn. Syst. Ser. S* **15** (2022), no. 5, 1015–1043.

**MR4408205**

Ton, Bui An [Tôn, Bui An]

Exact controllability of a strongly nonlinear wave equation with boundary controls. (English summary)

*Adv. Math. Sci. Appl.* **28** (2019), no. 2, 213–234.

**MR4444704**

Veldman, D. W. M.; Nouwens, S. A. N. [Nouwens, Sven Adrianus Nicolaas];

Fey, R. H. B. [Fey, Rob H. B.]; Zwart, H. J. [Zwart, Hans J.];

van de Wal, M. M. J. [van de Wal, Marc]; van den Boom, J. D. B. J.;

Nijmeijer, H. [Nijmeijer, Hendrik]

Optimal thermal actuation for mirror temperature control. (English summary)

*Comput. Methods Appl. Mech. Engrg.* **398** (2022), Paper No. 115212, 28 pp.

**MR4461372**

Ovseevich, A. I. [Ovseevich, Alexander I.]

A number-theoretic part of control theory. (Russian)

*Uspekhi Mat. Nauk* **77** (2022), no. 2(464), 195–196; translation in *Russian Math. Surveys* **77** (2022), no. 2, 369–371.

**MR4487539**

Zoppello, Marta; Morandotti, Marco; Bloomfield-Gadêlha, Hermes

Controlling non-controllable scallops. (English summary)

*Meccanica* **57** (2022), no. 9, 2187–2197.

**MR4518559**

Jellouli, Melek

On the controllability of the BBM equation. (English summary)

*Math. Control Relat. Fields* **13** (2023), no. 1, 415–430.