

Elena-Alexandra Melnig - Listă de publicații

- Cătălin-George Lefter, Elena-Alexandra Melnig, *Reaction-diffusion systems in annular domains: source stability estimates with boundary observations*, Optimization, 1–34 DOI: 10.1080/02331934.2024.2444618 (2024).
- Elena-Alexandra Melnig, *L_q -Carleman estimates with boundary observations and applications to inverse problems*, <https://arxiv.org/abs/2311.15692> (2023);
- Cătălin-George Lefter, Elena-Alexandra Melnig, *Internal controllability of parabolic systems with star and tree like couplings*, SIAM Journal on Control and Optimization, Vol. 60, Iss. 5(2022), doi:10.1137/22M1483293, <https://doi.org/10.1137/22M1483293>;
- Elena-Alexandra Melnig, *Stability in inverse source problems for nonlinear reaction-diffusion systems*, Nonlinear Differential Equations and Applications, 2021, doi:10.1007/s00030-021-00702-x, <https://link.springer.com/article/10.1007/s00030-021-00702-x>;
- Elena-Alexandra Melnig, *Stability in L^q -norm for inverse source parabolic problems*, Journal of Inverse and Ill-Posed Problems, 2020, doi.org/10.1515/jiip-2019-0081, <https://www.degruyter.com/document/doi/10.1515/jiip-2019-0081/html>;
- Elena-Alexandra Melnig, *Internal feedback stabilization for parabolic systems coupled in zero or first order terms*, Evolution Equations and Control Theory, 2020, doi: 10.3934/eect.2020069, <https://www.aims sciences.org/article/doi/10.3934/eect.2020069>;
- Cătălin-George Lefter, Elena-Alexandra Melnig, *On the parabolic regularity, Sobolev embeddings and global Carleman estimates in $L^q(L^p)$ spaces*, Pure and Applied Functional Analysis, 5 (2020), 533-553, <http://www.yokohamapublishers.jp/online2/oppafa/vol5/p1095.html>
- Cătălin-George Lefter, Elena-Alexandra Melnig, *Feedback stabilization with one simultaneous control for systems of parabolic equations*, Mathematical Control and Related Fields, September 2018, 8(3,4): 777-787. doi: 10.3934/mcrf.2018034, <https://www.aims sciences.org/article/doi/10.3934/mcrf.2018034>.