

Listă de lucrări

Kokovics Emanuel-Attila

Titlul tezei de doctorat: "Sisteme dinamice cu intarzieri distribuite si aplicatii in studiul sistemelor neuronale de tip Wilson-Cowan"

Articole publicate

Articole publicate în jurnale indexate ISI

1. Eva Kaslik, Emanuel-Attila Kokovics, and Anca Radulescu. Wilson–Cowan neuronal interaction models with distributed delays. In *New Trends in Nonlinear Dynamics*, pages 203–211. Springer, 2020.
2. E. Kaslik, E. A. Kokovics, and A. Rădulescu, Stability and bifurcations in Wilson-Cowan systems with distributed delays, and an application to basal ganglia interactions, *Commun. Nonlinear Sci. Numer. Simul.* 104 (2022), 105984.
3. Eva Kaslik, Emanuel-Attila Kokovics, Stability and bifurcations in scalar differential equations with a general distributed delay, *Applied Mathematics and Computation*, Volume 454, 2023, 128100

Articole publicate în jurnale indexate BDI

1. Tigan, G.; Brandibur, O.; Kokovics, E.; Vesa, L.F. Degenerate Chenciner Bifurcation Revisited. *Int. J. Bifurcation Chaos* 2021, 10, 2150160.

Citări

- Eva Kaslik, Emanuel-Attila Kokovics, and Anca Radulescu. Wilson–Cowan neuronal interaction models with distributed delays. In *New Trends in Nonlinear Dynamics*, pages 203–211. Springer, 2020:
 1. Eva Kaslik, Emanuel-Attila Kokovics, and Anca Radulescu, Stability and bifurcations in Wilson-Cowan systems with distributed delays, and an application to basal ganglia interactions, *Commun. Nonlinear Sci. Numer. Simul.* 104 (2022), 105984.
 2. Isam Al-Darabsah Liang, Liang Chen, Wilten Nicola, Sue Ann Campbell, The Impact of Small Time Delays on the Onset of Oscillations and Synchrony in Brain Networks, *Frontiers in Systems Neuroscience* 15:58, 2021.
- Tigan, G.; Brandibur, O.; Kokovics, E.; Vesa, L.F. Degenerate Chenciner Bifurcation Revisited. *Int. J. Bifurcation Chaos* 2021,10, 2150160:
 1. Sorin Lugojan, Loredana Ciurdariu, Eugenia Grecu, Another Case of Degenerated Discrete Chenciner Dynamic System, *Mathematics* 10(20):3782, 2022.
 2. Sorin Lugojan, Loredana Ciurdariu, Eugenia Grecu, Chenciner Bifurcation Presenting a Further Degree of Degeneration, *Mathematics* 10(9):1603,

2022.

3. Sorin Lugojan, Loredana Ciurdariu, Eugenia Grecu, New Elements of Analysis of a Degenerate Chenciner Bifurcation, *Symmetry* 14(1):77, 2022.
- E. Kaslik, E. A. Kokovics, and A. Rădulescu, Stability and bifurcations in Wilson-Cowan systems with distributed delays, and an application to basal ganglia interactions, *Commun. Nonlinear Sci. Numer. Simul.* 104 (2022), 105984:
 1. Huafeng Xiao, Zhiming Guo, Periodic solutions to a class of distributed delay differential equations via variational methods, *Advances in Nonlinear Analysis* 12(1), 2023.
 2. Zhizhi Wang, Bing Hu, Luyao Zhu, Jiahui Lin, Minbo Xu, Dingjiang Wang, The possible mechanism of direct feedback projections from basal ganglia to cortex in beta oscillations of Parkinson's disease: A theoretical evidence in the competing resonance model, *Communications in Nonlinear Science and Numerical Simulation* 120(8):107142, 2023.
 3. Zhizhi Wang, Bing Hu, Weiting Zhou, Minbo Xu, Dingjiang Wang, Hopf bifurcation mechanism analysis in an improved cortex-basal ganglia network with distributed delays: An application to Parkinson's disease, *Chaos, Solitons & Fractals*, Volume 166, January 2023, 113022.

Semnătura,

