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-DarabsahLiang, 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.
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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,