

Publications

Books, Book chapters

Fišer, J. - Červený, J. - Zítek, P.: Oscillators for Modelling Circadian Rhythms in Cyanobacteria Growth. In: Modelling, Simulation, and Optimization - Focus on Applications, Ed. Sh. Cakaj, Wien: In-Tech, 2010, chap. 7, 105-119. ISBN 978-953-307-055-1

Journal papers

Fišer, J. - Červený, J. - Zítek, P.: Time Delay Model of Algal Population Growth in Tubular Photobioreactor. SNE, 2007, Vol.17, No. 3/4, 14-18. ISSN 0929-2268

Fišer, J. - Zítek, P.: Second-Order Sliding Mode Control of Time Delay Systems. Acta Montanistica Slovaca, 2003, Vol. 8, No. 4, 204-207. ISSN 1335-1788

Fišer, J. - Zítek, P.: Sliding Mode Observer Design for Time Delay Systems. Acta Mechanica Slovaca. 2002, Vol. 6, No. 2, p. 69-80. ISSN 1335-2393 (in Czech)

Conference Papers

2010

Zítek, P. - Fišer, J. - Vyhlídal, T.: Ultimate-Frequency based Dominant Pole Placement. In: Preprints of the 9th IFAC Workshop on Time Delay Systems, TDS 2010, June 7-9, 2010, Prague, Czech Republic.

2008

Fišer, J. - Zítek, P. - Červený, J.: Oscillators for Modeling Biomass Growth Adaptation to Circadian Rhythms. In: Proceedings of UKSIM Tenth International Conference on Computer Modelling and Simulation, Los Alamitos: IEEE Computer Society, 2008, p. 175-179. ISBN 0-7695-3114-8

Fišer, J. - Trnka, P.: Laboratory model "Air levitation" Innovated for Courses in Automatic Control. In: Proceedings of Workshop 2008 [CD-ROM]. Praha: Czech Technical University in Prague, 2008, vol. A, p. INF009-1-INF009-2. ISBN 978-80-01-04016-4

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Fišer, J. - Červený, J. - Zítek, P.: Time Delay Model of Algal Population Growth in a Photobioreactor. *In: 5th MathMod Vienna Proceedings, Vienna: ARGESIM, 2006, vol. 2, p. 4-1-4-7. ISBN 3-901608-30-3*

Fišer, J. - Zítek, P. - Červený, J.: Time Delay Modeling of Algae Production in Pentroof Tubular Photobioreactor. *In: Advanced Engineering Design, AED 2006 [CD-ROM]. Prague: CTU, 2006, p. 1-7. ISBN 80-86059-44-8*

Fišer, J. - Zítek, P.: Control of Time Delay Systems in Sliding Mode using Anisochronic State Feedback. *In Proceedings of the 12th IEEE International Conference on Methods and Models in Automation and Robotics. Szczecin: PPH ZAPOL DMOCHOWSKI, SOBCZYK, SPOLKA JAWNA, 2006, p. 69-76. ISBN 83-60140-93-6*

2005

Fišer, J. - Zítek, P.: By-Pass Aided Sliding Mode Control of Time Delay Systems. *In: 15th International Conference on Process Control 05, Bratislava: Slovak University of Technology, 2005, ISBN 80-227-2235-9*

Fišer, J. - Zítek, P.: Control design using bypass for sliding mode applied to time delay systems. *In: Proceedings of WORKSHOP 2005, Part A. Praha: CTU Publishing House, 2005, vol. A, p. 272-273. ISBN 80-01-03201-9*

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Fišer, J. - Zítek, P.: Reducing Parasitic Oscillations in Sliding Mode Control of Time Delay Systems. *In: Proceedings of Process Control '03, Bratislava: Slovak University of Technology, 2003, p. 105-110. ISBN 80-227-1902-1*

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