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- Sponsor(s): Ctr Int Rencontres Math; Agence Nationale de la Recherche; Univ Paris Est Creteil; Tech Univ Darmstadt
- MATHEMATICAL ANALYSIS IN FLUID MECHANICS: SELECTED RECENT RESULTS Book Series: Contemporary Mathematics Volume: 710 Pages: 175-201 Published: 2018
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- Sponsor(s): IEEE
- 2017 IEEE 56TH ANNUAL CONFERENCE ON DECISION AND CONTROL (CDC) Book Series: IEEE Conference on Decision and Control Published: 2017
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Conference: 2nd IFAC Workshop on Control of Systems Governed by Partial Differential Equations Location: Bertinoro, ITALY Date: JUN, 2016 Sponsor(s): IFAC
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SIAM JOURNAL ON CONTROL AND OPTIMIZATION Volume: 54
Issue: 6 Pages: 2965-2991 Published: 2016

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By: Takahashi, Takeo; Tucsnak, Marius; Weiss, George

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Pages: 6459-6493 Published: DEC 5 2015

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104 Issue: 2 Pages: 311-353 Published: AUG 2015

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Conference: European Control Conference (ECC) Location: Linz, AUSTRIA
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2015 EUROPEAN CONTROL CONFERENCE (ECC) Pages: 1339-1342

Published: 2015

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ACTA APPLICANDAE MATHEMATICAE Volume: 123 Issue: 1 Pages: 175-200 Published: FEB 2013
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(from Web of Science Core Collection)

SIAM JOURNAL ON CONTROL AND OPTIMIZATION Volume: 51
Issue: 5 Pages: 4016-4038 Published: 2013

Usage Count

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ESAIM-CONTROL OPTIMISATION AND CALCULUS OF VARIATIONS
Volume: 19 Issue: 1 Pages: 20-42 Published: JAN 2013

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JOURNAL OF FUNCTIONAL ANALYSIS Volume: 263 Issue: 1 Pages:
25-49 Published: JUL 1 2012

Usage Count

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Times Cited: 7
(from Web of Science Core Collection)

By: Hante, Falk M.; Sigalotti, Mario; Tucsnak, Marius

JOURNAL OF DIFFERENTIAL EQUATIONS Volume: 252 Issue: 10
Pages: 5569-5593 Published: MAY 15 2012

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JOURNAL OF MATHEMATICAL FLUID MECHANICS Volume: 14 Issue:
1 Pages: 177-195 Published: MAR 2012

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30. **Wellposedness and stabilization of a class of infinite dimensional bilinear control systems**

Times Cited: 1

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By: **Daafouz, Jamal; Tucsnak, Marius; Valein, Julie**

Conference: 51st IEEE Annual Conference on Decision and Control (CDC)

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Book Series: IEEE Conference on Decision and Control Pages: 1560-1565 Published: 2012

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329-352 Published: DEC 2011

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By: Ito, Kazufumi; Ramdani, Karim; Tucsnak, Marius

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 39. **Scanning control for the string equation****Times Cited: 0***(from Web of Science Core Collection)*By: **Tenenbaum, Gerald; Tucsna, Marius**Conference: 17th Mediterranean Conference on Control and Automation
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Usage Count

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By: **Cindea, Nicolae; Tucsnak, Marius**
Conference: International Conference on Optimal Control of Coupled Systems of Partial Differential Equations Location: Oberwolfach Walke, GERMANY Date: MAR 02-08, 2008
OPTIMAL CONTROL OF COUPLED SYSTEMS OF PARTIAL DIFFERENTIAL EQUATIONS Book Series: International Series of Numerical Mathematics Volume: 158 Pages: 73-83 Published: 2009
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SIAM JOURNAL ON CONTROL AND OPTIMIZATION Volume: 48 Issue: 3 Pages: 1632-1659 Published: 2009
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QUARTERLY OF APPLIED MATHEMATICS Volume: 65 Issue: 3

Pages: 405-424 Published: SEP 2007

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Volume: 13 Issue: 3 Pages: 503-527 Published: JUL-SEP 2007

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Conference: 6th European Conference on Numerical Mathematics and Advanced Applications (ENUMATH2005) Location: Santiago de Compostela, SPAIN Date: JUL, 2005

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NUMERICAL MATHEMATICS AND ADVANCED APPLICATIONS Pages: 1068 - + Published: 2006

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JOURNAL OF MATHEMATICAL FLUID MECHANICS Volume: 6 Issue:

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1 Pages: 53-77 Published: MAR 2004

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