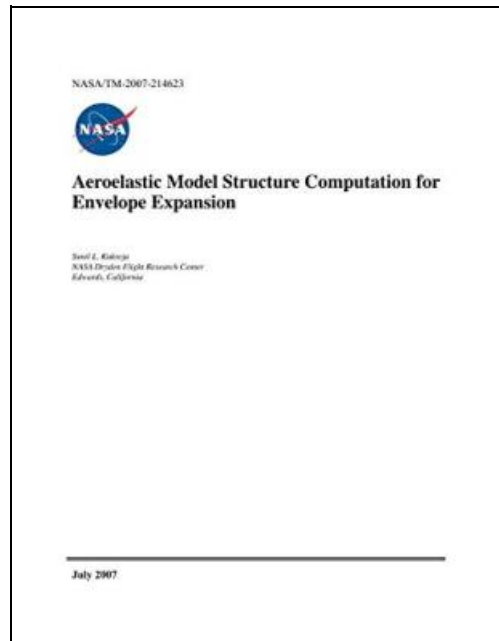


Aeroelastic Model Structure Computation for Envelope Expansion (Paperback)



Filesize: 7.83 MB

Reviews

Excellent electronic book and helpful one. It usually does not cost a lot of. I am quickly will get a pleasure of reading through a written publication.

(Bernardo Feeney Jr.)

AEROELASTIC MODEL STRUCTURE COMPUTATION FOR ENVELOPE EXPANSION (PAPERBACK)

Independently Published, United States, 2019. Paperback. Condition: New. Language: English. Brand new Book. Structure detection is a procedure for selecting a subset of candidate terms, from a full model description, that best describes the observed output. This is a necessary procedure to compute an efficient system description which may afford greater insight into the functionality of the system or a simpler controller design. Structure computation as a tool for black-box modeling may be of critical importance in the development of robust, parsimonious models for the flight-test community. Moreover, this approach may lead to efficient strategies for rapid envelope expansion that may save significant development time and costs. In this study, a least absolute shrinkage and selection operator (LASSO) technique is investigated for computing efficient model descriptions of non-linear aeroelastic systems. The LASSO minimises the residual sum of squares with the addition of an l_1 penalty term on the parameter vector of the traditional l_2 minimisation problem. Its use for structure detection is a natural extension of this constrained minimisation approach to pseudo-linear regression problems which produces some model parameters that are exactly zero and, therefore, yields a parsimonious system description. Applicability of this technique for model structure computation for the F/A-18 (McDonnell Douglas, now The Boeing Company, Chicago, Illinois) Active Aeroelastic Wing project using flight test data is shown for several flight conditions (Mach numbers) by identifying a parsimonious system description with a high percent fit for cross-validated data. Kukreja, Sunil L. Armstrong Flight Research Center NASA/TM-2007-214623, H-2736, AIAA Paper 2007-2317.

[Read Aeroelastic Model Structure Computation for Envelope Expansion \(Paperback\) Online](#)[Download PDF Aeroelastic Model Structure Computation for Envelope Expansion \(Paperback\)](#)

Other PDFs



The Business Student's Handbook: Skills for Study and Employment (Paperback)

Pearson Education Limited, United Kingdom, 2016. Paperback. Condition: New. 6th New edition. Language: English. Brand new Book. 'It is very clear and easy to understand and well laid out. A good key text.' Alison Bragg,...

[Download](#) [PDF](#)

»



An Undergraduate Introduction to Financial Mathematics (3rd edition)

World Scientific Publishing Co Pte Ltd. Hardback. Condition: new. BRAND NEW, An Undergraduate Introduction to Financial Mathematics (3rd edition), J. Robert Buchanan, This textbook provides an introduction to financial mathematics and financial engineering for undergraduate...

[Download](#) [PDF](#)

»



Managing Technical Debt: Reducing Friction in Software Development, 1/e (Paperback)

Pearson Education (US), United States, 2019. Paperback. Condition: New. Language: English. Brand new Book. "This is an incredibly wise and useful book. The authors have considerable real-world experience in delivering quality systems that matter, and...

[Download](#) [PDF](#)

»



The Alhambra: Collection of Essays, Verbal Sketches, and Stories (Paperback)

Independently Published, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. The Alhambra is a collection of essays, verbal sketches, and stories by Washington Irving. Background Irving lived at the Alhambra Palace while writing some...

[Download](#) [PDF](#)

»



Tales Of Twilight Wood & Lantern Town: The Midsummer Ball (Paperback)

Createspace Independent Publishing Platform, United States, 2017. Paperback. Condition: New. Language: English. Brand new Book. Twilight Wood is a strange but enchanting place. Its edges are boggy, and there are lots of prickly brambles, stinging...

[Download](#) [PDF](#)

»



Modern control theory (the College of Electrical Engineering and Automation of the 21st century planning materials)(Chinese Edition)
paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2012-07-01 Pages: 237 Publisher: People's Posts and Telecommunications Press title: modern control
[Read](#) [ePub](#)

»



Space Shuttle Flight Support Motor No. 1 (Fsm-1) (Paperback)
Independently Published, United States, 2018. Paperback. Condition: New. Language: English. Brand new Book. Space Shuttle Flight Support Motor No. 1 (FSM-1) was static test fired on 15 Aug. 1990 at the Thiokol Corporation Static Test
[Read](#) [ePub](#)

»



Two high-frequency Visual FoxPro database programming questions navigation (with CD-ROM Edition 2010)
paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 245 Publisher: Nankai University Pub. Date :2009-12-01 version 3. Contents: Chapter 1. data
[Read](#) [ePub](#)

»



TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)
paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth
[Read](#) [ePub](#)

»



Description of a Glass Apparatus, for Making Mineral Waters, Like Those of Pyrmont, Spa, Seltzer, C. in a Few Minutes, and with a Very Little Expencc: In a Letter to the REV. Dr.
Gale Ecco, Print Editions, United States, 2010. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding
[Read](#) [ePub](#)

»