

Mathematica CalcCenter 3

A Versatile Tool for Teaching Exact Sciences

References

Integrated Computing Systems and Teaching Exact Sciences

Landau R. H. :
A First Course in Scientific Computing.
Princeton University Press 2005
ISBN 0-691- 12183-4

Dubin D. :
*Numerical and Analytical Methods for Scientists and Engineers,
Using Mathematica.*
Wiley 2003
ISBN 0-471-26610-8

Dubin D. :
Numerical and Analytical Methods for Scientists and Engineers, Using Mathematica.Website.
<http://sdphca.ucsd.edu/namethods/>

Bauman G.:
*Mathematica for Theoretical Physics : Classical Mechanics
and Nonlinear Dynamics. 2nd Ed.*
Springer 2005
ISBN 0-387-01674-0

Bauman G.:
*Mathematica for Theoretical Physics : Electrodynamics, Quantum Mechanics,
General Relativity, and Fractals. 2nd Ed.*
Springer 2005
ISBN 0-387-21933-1

Thaller B. :
Visual Quantum Mechanics.
Springer / TELOS 2000
ISBN 0-387-98929-3

Thaller B. :
Visual Quantum Mechanics : Home
<http://www.kfunigraz.ac.at/imawww/vqm/index.html>

Thaller B. :
Advanced Visual Quantum Mechanics.
Springer 2005
ISBN 0-387-20777-5

Thaller B. :
Visionen des UnSEHbaren.
<http://www.kfunigraz.ac.at/imawww/vqm/lectures/zkm/>

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Wolfram Research Inc.:
Mathematica CalcCenter 3.
<http://www.wolfram.com/products/calccenter/>

Wolfram Research Inc.:
Mathematica CalcCenter 3. Documentation.
<http://documents.wolfram.com/calccenter/>

Wolfram Research Inc.:
Mathematica CalcCenter 3. Features.
<http://www.wolfram.com/products/calccenter/features>

Slide 20

Hogan D. :
Mathematica CalcCenter 3 (Review).
Bitwise Magazine, August 2005
http://www.bitwisemag.com/copy/reviews/software/math/calcc_center.html

Seiter Ch. :
Mathematica CalcCenter (Review).
Macworld, July 28, 2005
<http://www.macworld.com/2005/07/reviews/calccenter3/index.php>

Scientific Solutions :
Wolfram Mathematica CalcCenter 3.
<http://www.scientific-solutions.ch/tech/calccenter/index.html>

Mathematica CalcCenter 3 in Education Exact Sciences

Krane R. :
Modern Physics. 2nd Ed.
Wiley 1996. ISBN 0-471-82872-6

Harris R. :
Nonclassical Physics : Beyond Newton 's View.
Addison Wesley 1998. ISBN 0-201-83436-7

Rohlf J.W. :
Modern Physics from a to Z 0.
Wiley 1994. ISBN 0-471-57270-5

CalcCenter 3 and Courseware Development for Exact Sciences

Slide 55

Drška L. :
E-Learning Express : Řešení pro pěšáky (a všední dny) / E-Learning Express : A Solution for Pedestrians (and Everydays).
In : Konference EMTECH 2005, Praha, 6.-7. června 2005
<http://vega.fjfi.cvut.cz/docs/emtech05/>

Drška L. :
E-Learning Express : Řešení pro pěšáky (a všední dny) / E-Learning Express : A Solution for Pedestrians (and Everydays). Presentation Record.
In : Konference EMTECH 2005, Praha, 6.-7. června 2005. Proceedings (DVD)

Slide 56

FNSPE CTU :
Applied and Engineering Physics.
<http://aep.fjfi.cvut.cz/aep/>

Drška L. :
Fundamentals of Nonclassical Physics. Introduction
<http://vega.fjfi.cvut.cz/docs/fncphys/>

Drška L. :
Speciální teorie relativity. Kvíz. Část 1 / The Special Theory of Relativity. A Quiz. Pt. 1.
http://vega.fjfi.cvut.cz/emtech05/docs/test_rel1.htm