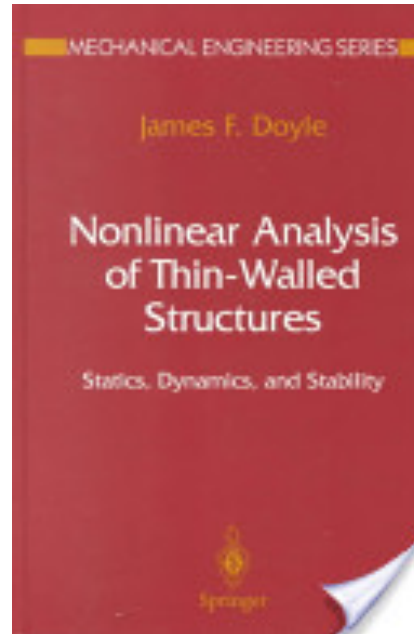




Professor James F. Doyle



From: J.F. Doyle, Nonlinear Analysis of Thin-Walled Structures: Statics, Dynamics, and Stability, Springer-Verlag, New York, 2001

See:

https://engineering.purdue.edu/AAE/people/Faculty/showFaculty?resource_id=1300
<http://65.54.113.26/Author/21648716/james-f-doyle>

School of Aeronautics and Astronautics
Purdue University, West Lafayette, Indiana, USA

Education:

Dipl. Eng., Dublin Institutes of Technology, Ireland, 1972
M.Sc., University of Saskatchewan, Canada, 1974
Ph.D., University of Illinois, 1977

Interests:

Experimental mechanics, impact and wave propagation, signal and image processing, computational mechanics, nonlinear structural dynamics, stability, photo-mechanics, inverse problems, crack propagation and fragmentation, dynamics and stability of protein structures.

Awards and Major Appointments:

Frocht Award for Teaching, Society for Experimental Mechanics
Hetenyi Award for Research, Society for Experimental Mechanics
Fellow, Society for Experimental Mechanics

Selected Publications:

Books:

J.F. Doyle, Wave Propagation in Structures, Springer-Verlag, New York, 1989; 2/E 1997.
J.F. Doyle, Static and Dynamic Analysis of Structures, Kluwer, The Netherlands, 1991.

J.F. Doyle, *Nonlinear Analysis of Thin-Walled Structures: Statics, Dynamics, and Stability*, Springer-Verlag, New York, 2001.

J.F. Doyle, *Modern Experimental Stress Analysis: completing the solution of partially specified problems*, Wiley & Sons, UK, 2004.

J.F. Doyle, *Guided Exploration on the Mechanics of Solids & Structures: strategies for solving unfamiliar problems*, Cambridge University Press, UK, expected 2009.

Journal Articles:

Davendralingham, N. and Doyle, J.F., "Nonlinear Identification Problems under Large Deflections," *Experimental Mechanics*, 48(3), 2008, pp. 529-538

Meacham, E.M., and Doyle, J.F., "Nonlinear Dynamic Characterization of a Rubber-like Material," *Measurement Science & Technology*, 2008, 19.

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