

Mechanics of Marine Structures - Project Topics

1. VM69-Seismic Response - **Gamze Dagli**
W. T. Thomson, Vibration Theory and Applications, 2nd Printing, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1965, pg. 78, ex. 3.11-1
2. VM74-Transient Response to an Impulsive Excitation - **Sinan Gurbuz**
W. T. Thomson, Vibration Theory and Applications, 2nd Printing, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1965, pg. 99, article 4.1.
3. VM35-Bimetallic Layered Cantilever Plate with Thermal Loading - **Kazim Ridvanov**
R. J. Roark, W. C. Young, Formulas for Stress and Strain, 5th Edition, McGraw-Hill Book Co., Inc., New York, NY, 1975, pp. 113-114.
4. VM136-Large Deflection of a Buckled Bar (the Elastica) - **Evrin Ozdemir**
S. Timoshenko, J. M. Gere, Theory of Elastic Stability, 2nd Edition, McGraw-Hill Book Co. Inc., New York, NY, 1961, pg. 78, article 2.7
5. VM142-Stress Concentration At a Hole in a Plate - **Batikan Sahinbas**
R. J. Roark, Formulas for Stress and Strain, 4th Edition, McGraw-Hill Book Co., Inc., New York, NY, 1965, pg. 384
6. VM144-Bending of a Composite Beam - **Baris Tigli**
R. J. Roark, W. C. Young, Formulas for Stress and Strain, McGraw-Hill Book Co., Inc., New York, NY, 1975, pg. 112-114, article 7.2.
7. VM83-Impact of a Block on a Spring Scale - **Ibrahim Cengiz**
F. P. Beer, E. R. Johnston, Jr., Vector Mechanics for Engineers, Statics and Dynamics, McGraw-Hill Book Co., Inc., New York, NY, 1962, pg. 531, problem 14.6