Journal of the

ENGINEERING MECHANICS DIVISION

Proceedings of the American Society of Civil Engineers

ENGINEERING MECHANICS DIVISION EXECUTIVE COMMITTEE

Donald Dean, Chairman; Robert M. Haythorthwaite, Vice-Chairman; Melvin L. Baron; John E. Goldberg; Daniel Frederick, Secretary; James R. Sims, Board Contact Member

COMMITTEE ON PUBLICATIONS

Daniel Frederick, Chairman; Alfredo S. Ang; Walter E. Blessey; J. W. Delleur; George Herrmann; Seng-lip Lee; Albert D. M. Lewis; Ernest F. Masur; A. S. Veletsos

CONTENTS

December, 1965

Papers

	Page
Restraints Against Elastic Lateral Buckling by Lewis C. Schmidt	1
Elastic Torsional Analysis of Irregular Shapes by Leonard R. Herrmann	, , 11
Inelastic Lateral-Torsional Buckling of Beam Columns by Constancio Miranda and Morris Ojalvo	21
Flow-Induced Structural Vibrations by Gerrit H. Toebes	39
Response of Models to Water-Shock Loading by Young C. Kim and Raymond C. Binder (over)	67

Copyright 1965 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1965-57 Newsletter of the Engineering Mechanics Division.

The three preceding issues of this Journal are dated June, 1965, August, 1965, and October, 1965.

	Page
Shock Response of a Simple Beam on Nonlinear Supports by Theodore R. Tauchert and Robert S. Ayre	91
Validity of a Stochastic Model for Predicting Subsidence by Arnold L. Sweet	111
Analysis of a Two-Layer Viscoelastic System by David C. Kraft	129
Heat Analysis—A Tensoral-Dimensional Approach by Sidney F. Borg	145
Irrotational Flow Over Spillways of Finite Height by John J. Cassidy	155
DISCUSSION	
Viscous and Boundary Effects on Virtual Mass, by Norbert L. Ackermann and Anat Arbhabhirama. (August, 1964. Prior discussion: February, April, 1965. Discussion closed.) by Norbert L. Ackermann and Anat Arbhabhirama (closure)	177
Finite Element Solution for Axisymmetrical Shells, by Egor P. Popov, Joseph Penzien, and Zung-An Lu. (October, 1964. Prior discussion: April, June, 1965. Discussion closed.) by Egor P. Popov, Joseph Penzien and Zung-An Lu	178
Elastostatic Problem of a Perforated Square Plate, by Alois L. Schlack and Robert W. Little. (October, 1964. Prior discussion: June, 1965. Discussion closed.) There will be no closure.	
Band Diffusion with Variable Parameters Along Flow, by Wen-Hsiung Li. (October, 1964. Prior discussion: June, 1965. Discussion closed.) by Wen-Hsiung Li (closure)	181
Analog Computer Analysis of Static Beams, by Robert E. Sennet III and John Wait. (April, 1965. Prior discussion: None. Discussion closed.) by I. F. Christie and A. J. M. Soane by C. B. Wilby and Imamuddin Khwaja	183 186
by Sherwood P. Prawel, Jr	187
Prior discussion: October, 1965. Discussion closed.) by James L. Tocher	190

	Page
Face Wrinkling Mode of Buckling of Sandwich Panels, by Billy J. Harris and W. C. Crisman. (June, 1965. Prior discussion: None. Discussion closed.) by Tau-Chao Fan	191
Added Mass of a Sphere in a Bounded Viscous Fluid, by Kenneth G. McConnell and Donald F. Young. (August, 1965. Priore). None. Discussion	
closes January 1, 1966.) by Frederick T. Mavis and Norbert L. Ackermann	193