

---

Journal of the  
ENGINEERING MECHANICS DIVISION  
Proceedings of the American Society of Civil Engineers

---

ENGINEERING MECHANICS DIVISION  
EXECUTIVE COMMITTEE

Merit P. White, Chairman; John W. Clark, Vice Chairman;  
Ray W. Clough; Edward Wenk, Jr.; Donald L. Dean, Secretary  
Ralph B. Peck, Board Contact Member

COMMITTEE ON PUBLICATIONS

John W. Clark, Chairman; John E. Goldberg; Leonard A. Harris;  
Robert M. Haythornthwaite; George Herrmann; T. H. Lin;  
Ernest F. Masur; Joseph Penzien; Edward Silberman; Joseph F. Throop;  
Donald L. Dean, Secretary

CONTENTS

December, 1962

Papers

	Page
Extended Frozen Stress Method by Joseph Schwaighofer. . . . .	1
Plastic Buckling Pressure for Spherical Shells by M. E. Lunchick . . . . .	13
Network Analogy for the Truss Problem by W. R. Spillers. . . . .	33
(over)	

---

Copyright 1962 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1962-47 Newsletter of the Engineering Mechanics Division.

The three preceding issues of this Journal are dated June 1962, August 1962, and October 1962.

	Page
Analysis of Triangular Bracket-Type Plates by Charles G. Salmon . . . . .	41
Lateral Bracing Forces of Steel I Beams by Campbell Massey . . . . .	89
Stability of Granular Masses by F. Laszlo . . . . .	115

---

DISCUSSION

---

Equations for Plate-Beam Systems in Transverse Bending, by Alfredo H.-S. Ang and Wallace S. Prescott. (December, 1961. Prior discussion: June, 1962. Discussion closed.) by Alfredo H.-S. Ang and Wallace S. Prescott (closure) . . . . .	143
Variational Methods in Fluid Dynamics, by J. W. Delleur and A. A. Sooky. (December, 1961. Prior discussion: April, June, 1962. Discussion closed.) by J. W. Delleur and A. A. Sooky (closure) . . . . .	145
Effect of Joint Rotation on Dynamics of Structures, by Moshe F. Rubinstein and Walter C. Hurty. (December, 1961. Prior discussion: February, April, June, August, 1962. Discussion closed.) by Moshe F. Rubinstein and Walter C. Hurty (closure) . . . . .	147
Dynamic Buckling of Shallow Shells Under Impulsive Loading, by John S. Humphreys and Sol R. Bodner. (April, 1962. Prior discussion: August, 1962. Discussion closed.) by John J. Burns, Jr. . . . .	149
Turbulent Diffusion and Anemometer Measurements, by L.V. Baldwin and W. R. Mickelsen. (April, 1962. Prior discussion: None. Discussion closed.) by S. Corrsin . . . . .	151
Distribution of Structural Response to Earthquakes, by E. Rosenbluth and Jorge Bustamante. (June, 1962. Prior discussion: None. Discussion closed.) by A. A. Eremin . . . . .	155
Dynamic Behavior of Cantilever Bridges, by R. K. Wen and T. Toridis. (August, 1962. Prior discussion: None. Discussion closes January 1, 1963.) by Rudolf K. Bernhard . . . . .	157