

International Journal of

Materials & Structural Reliability





INTERNATIONAL JOURNAL OF MATERIALS & STRUCTURAL RELIABILITY

Vol. 11 • No. 1 • March 2013

CONTENTS

- Holding Power of Nail in *Azadirachta indica* var. *siamensis* Valetton *T* Based on Probability Theory 1
S. Boonyachut, N.Sudsui
- Holding Power of Nail in *Durio zibethinus* Merr. *Ext* Based on Probability Theory 33
N. Sudsui, S. Boonyachut
- Laboratory Observation for Deflection Responses of Uniformly Strip Loaded Square Plates 65
S. Khwakhong, S. Boonyachut, Y. Sompornjaroensuk





INTERNATIONAL JOURNAL OF MATERIALS & STRUCTURAL RELIABILITY
Vol. 11 • No. 2 • September 2013

CONTENTS

- An Experimental Study of Uniformly Loaded Square Plates with Mixed Support Conditions on Two Opposite Edges..... 83
M. Tohsaman, S. Boonyachut, D. Dy, Y. Sompornjaroensuk
- An Improved Algorithm for Reliability Optimization of Multi-State Complex System: Heuristic Approach..... 105
S. Aggarwal, M. Agarwal
- An Experimental Investigation of Uniformly Loaded Square Plates with Mixed Support Conditions on Four Edges..... 117
W. Boonchareon, S. Boonyachut, D. Dy, Y. Sompornjaroensuk

