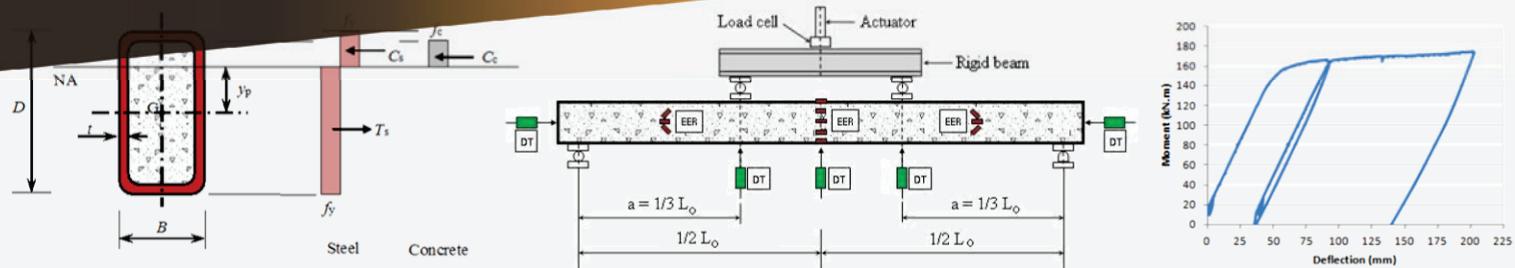


Volume 10, Number 4

August, 2017

ISSN 1983-4195



## Contents

### Design of punching shear for prestressed slabs with unbonded tendons on internal columns

L. A. R. LUCHI and J. C. C. LEITE JR.

### Ultrasonic assessment and finite element modelling of thermo-mechanical damage in mortar

C. L. NOGUEIRA

### Microstructure of concrete subjected to elevated temperatures: physico-chemical changes and analysis techniques

B. FERNANDES, A. M. GIL, F. L. BOLINA and B. F. TUTIKIAN

### Corrosion potential: influence of moisture, water:cement ratio, chloride content and concrete cover

M. H. F. MEDEIROS, F. C. ROCHA,

R. A. MEDEIROS-JUNIOR and P. HELENE

### Shear strength of slender SCC beams – possible differences from VC beams

T. L. RESENDE, L. C. D. SHEHATA and

I. A. E. M. SHEHATA

### Experimental study on the flexural behavior of large-scale rectangular concrete-filled steel tubular beams

J. M. FLOR, R. H. FAKURY, R. B. CALDAS,

F. C. RODRIGUES and A. H. M. ARAÚJO

### A new study of Brazilian concrete strength conformance

W. C. SANTIAGO and A. T. BECK

### Study of the block/grout interface in concrete and clay block masonry structures

O. S. IZQUIERDO, M. R. S. CORRÊA and I. I. SOTO

### Characterization of track geometric imperfections leading to maximal dynamic amplification of internal forces in railway bridges

P. G. C. AMARAL and C. E. N. MAZZILLI

### Ultra High-Performance Fiber-Reinforced Concrete (UHPFRC): a review of material properties and design procedures

T. E. T. BUTTIGNOL, J. L. A. O. SOUSA and

T. N. BITTENCOURT