

Volume 11, Number 3

June, 2018

ISSN 1983-4195



**Comparison between resistant load contours generated considering the parabolic-rectangular (DPR) and the rectangular (DR) stress-strain diagrams for rectangular sections under combined axial compression and biaxial bending**

Y. F. FONSECA and A. S. C. SILVA

**Effect of corrosion degree on mechanical properties of reinforcements buried for 60 years**

C. E. T. BALESTRA, M. G. LIMA, A. Z. MENDES and R. A. MEDEIROS-JUNIOR

**Influence of the placement rate on the fresh concrete lateral pressure in the design of formworks**

M. O. SOUSA, N. S. SANTOS, R. L. PEREIRA, P. C. R. MARTINS and L. J. PEDROSO

**Nonlinear analysis of concrete structures using GFEM enrichment strategy with a microplane constitutive model**

A. R. V. WOLENSKI, A. B. MONTEIRO, S. S. PENNA, R. L. S. PITANGUEIRA and F. B. BARROS

**Structural analysis of composite metakaolin-based geopolymer concrete**

F. PELISSER, B. V. SILVA, M. H. MENDER, B. J. FRASSON, T. A. KELLER, A. J. TORIL and R. H. LOPEZ

**Evaluation of the chloride penetration and service life of self-healing concretes activated by crystalline catalyst**

P. HELENE, G. GUIGNONE, G. VIEIRA, L. RONCETTI and F. MORONI

**Soil-structure interaction analysis considering concrete creep and shrinkage**

L. M. P. ROSA, B. R. DANZIGER and E. M. L. CARVALHO

**Coding the "New Implicit Method" in MatLab for preliminary tunnel design**

W. C. FERRÃO and D. BERNAUD

**Pullout performance of steel bars partially bonded in concrete with epoxy resin**

R. H. SOUZA, M. E. TAVARES and D. V. FERNANDES

**Influence of transverse rebars on bond between steel reinforcement and cellular concrete with very low compressive strength**

P. R. N. SOUDAIS, J. S. CAMACHO and G. A. PARSEKIAN

**Fresh concrete consistency effect on thin-walled columns creep phenomenon**

E. L. MADUREIRA and L. A. PAIVA