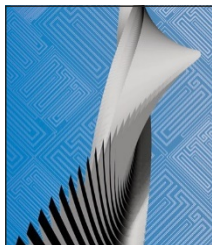


IBRACON Structures and Materials Journal

Revista IBRACON de Estruturas e Materiais

Contents

- Eco-efficient steel slag concretes: an alternative to achieve circular economy* 15201
L. C. B. COSTA, M. A. NOGUEIRA, L. C. FERREIRA, F. P. F. ELOI, J. M. F. CARVALHO and R. A. F. PEIXOTO
- Applicability of the 500°C isotherm method in determining the strength of reinforced concrete beams after fire* 15202
L. M. COSTA, J. J. R. SILVA, T. A. C. P. OLIVEIRA and D. C. L. DUARTE
- Computational and experimental simulation to analyze loss in concrete cover by reinforcement deformation in solid slabs* 15203
A. P. MARAN, M. F. F. M. BARRETO, D. C. C. DAL MOLINA and J. R. MASUERO
- Reinforced concrete structures strengthened with CFRP (ACI x FIB) - Recommendations for bending design criteria* 15204
I. D. G. ORLANDO, T. N. BITTENCOURT and L. C. MENEGHETTI
- Eco-efficient concrete, optimized by Alfred's particle packing model, with partial replacement of Portland cement by stone powder* 15205
H. F. CAMPOS, A. L. BELLON, E. R. L. SILVA and M. VILLATORE JR
- Application of MEMS accelerometer of smartphones to define natural frequencies and damping ratios obtained from concrete viaducts and footbridge* 15206
J. D. BRAIDO and Z. M. C. PRAVIA
- Distribution of load effects and reliability of reinforced concrete frames: intact and with columns removed* 15207
P. H. P. FACHOLLI and A. T. BECK
- Curved bridges live load bending moment distribution using straight and curved girders* 15208
A. S. REBOUÇAS, J. N. SILVA FILHO, R. BARROS, Y. R. F. NASCIMENTO and P. M. COUTINHO
- Effect of the connecting beam stiffness on the bracing limit for reinforced concrete slender columns in single and multi-story frames* 15209
M. G. ABOELHASSAN, M. E. SHOUKRY and S. M. ALLAM
- Parametric analysis related to dimensioning of tubular steel columns filled with concrete in a fire situation* 15210
F. M. RODRIGUES, A. L. MORENO JR and J. MUNAIAR NETO



Cover: Parametric Tower

Courtesy: Marcela Noronha P. de O. e Sousa



IBRACON

IBRACON Structures and Materials Journal is published bimonthly (February, April, June, August, October, and December) by IBRACON.

IBRACON

Instituto Brasileiro do Concreto Founded in 1972

Av. Queiroz Filho, nº 1700 — sala 407/408
Torre D — Villa Lobos Office Park
CEP 05319-000 — São Paulo, SP — Brazil
Phone: +55 11 3735-0202
Fax: +55 11 3733-2190
E-mail: riem@ibracon.org.br
Website: <http://www.ibracon.org.br>

Cover design & Layout: Editora Cubo
www.editoracubo.com.br