

POSTER SECTIONS

TUESDAY Hall of the Convention Center UFSC

SECTION 1 - 09:50 – 10:20 h

SECTION 2 - 16:10 – 17:10 h

0044	An analytical solution for the first passage problem as a function of the process irregularity factor	<u>Edison da Rosa</u>
0051	Thermostructural Analysis of a Steel Truss Subjected to Fire	Ana Claudia <u>dal</u> Prá Vasata
0055	Bidirectional evolutionary stress-based topology optimization considering static failure theories	joão gonçalves lima neto
0066	Improving Mechanical Properties of Auxetic Materials through Modified Re-entrant Cellular Structures: Experimental and Numerical Analysis	Almir Silva Neto
0081	Topology multimaterial optimization in thermal problem with alternative phase algorithm and heaviside threshold function filter	Herbert Gomes
0100	A prototype numerical model to detect damage in frame structures using the finite element method and artificial neural networks	Halyson da Costa Silva
0102	Numerical implementation of a phase-field model applied to stress corrosion cracking with open-source tools	<u>Paula Souza</u>
0124	Assessing Fatigue Life Estimates: A Comparative Study of Spectral Frequency Domain Versus Rainflow in the time domain	Fabrina Maria Soares Tiburcio
0129	Prediction of structural responses to earthquake events using machine learning techniques	Isabelly Oliveira Nalesso
0167	Analysis by Newmark's Numerical Method with Experimental Comparison of Vehicle Dynamics	Tarik Aziz Saded Din de Souza
0182	Effect of phase distribution of a random signal on fatigue damage	Edison da Rosa
0184	Evaluate the influence of wind on the structural stability of the metal roofing of a building in the city of Jequié.	Barbara guimarães
0202	The Quasi Plane Strain state of stress. Definition and consequences.	Jonas Bernardi
0205	Application of a Degradation Tensor Phase-field Model to Reinforced Concrete Beams	Marco Bittencourt
0229	Analytical and numerical study of composite material with circular holes	Antonio Faria Neto
0245	Finite element analysis of the sound absorption coefficient of flexible origami-based acoustic panels with constant complex impedance	Jose Fernando Portilla Rosero