

STRUCTURAL ANALYSIS AND VIBRATIONS

DIANA V. BAMBILL^{*}, LIZ G. NALLIM[†]

^{*} Departamento de Ingeniería, Instituto de Mecánica Aplicada, IMA, Universidad Nacional del Sur, UNS, Consejo Nacional de Investigaciones Científicas y Técnicas, CONICET, Alem 1253, Bahía Blanca (8000FTN)) – Argentina
dbambill@criba.edu.ar, dbambill@uns.edu.ar

[†] Facultad de Ingeniería, Instituto de Ingeniería Civil y Medio Ambiente de Salta, ICMASa, Universidad Nacional de Salta, UNSa, Consejo Nacional de Investigaciones Científicas y Técnicas, CONICET – INIQUI, Avda. Bolivia 5150, Salta (4400) – Argentina
lnallim@unsa.edu.ar

Key words: structural analysis, static and dynamic loads, vibration, design, damage.

ABSTRACT

This Minisymposium aims to present and discuss investigations in structural analysis and design, using numerical methods that may be associated with theoretical and experimental developments.

The scope is broad and includes studies of vibration problems and discrete and continuous systems subjected to static or dynamic loads.

Topics of interest:

- * Structures of different types: beams, columns, frames, arches, plates, shells.
- * Structures of various materials: homogeneous and composite materials
- * Structures subjected to: vibration, static and dynamic loads: wind, earthquake, impact,...
- * Damage assessment and structural reliability.