

# (CALDINTAV 3.0) - CALDINTAV 3.0

## Contact information

### Address: Main researchers:

- JOSE MARIA GOICOLEA RUIGOMEZ

**jose.goicolea@upm.es**

- JAIME DOMINGUEZ BARBERO

**jaime.dominguez@upm.es**

- PABLO ANTOLIN SANCHEZ

**pablo.antolin@upm.es**

- CARLOS VELARDE ORTEGA

**c.velarde@upm.es**

- GIA KHANH NGUYEN

**khanhnguyen.gia@upm.es**

## Technological Offers type

Software

## Research and innovation areas

- Ciencia para la ingeniería y la arquitectura
- Tecnologías digitales, Inteligencia Artificial, ciberseguridad, 5G, robótica

## Where?

Computational Mechanics Group GAMOSINOS: Advanced Non-linear Solids Modelling and Simulation Group RESEARCH CENTRE STRUCTURAL MATERIALS (CIME)

## Software description

CALDINTAV 3.0 is a program for dynamic calculation of railway bridges developed by the Computational Mechanics Group at the Universidad Politécnica de Madrid HTSE for Roads, Canals and Ports. The aim of the program is to provide the user with a simple application that makes it possible to make calculations quickly, for isostatic bridges and for continuous bridges and/or frameworks impacted by trains and, therefore, also allows rapid review of the bridges' compatibility.

## Reference

M-002574/2018