

# Automotive vehicle fuel consumption optimiser based on Dynamic Programming

## Contact information

### Address: Main researchers:

- JOSE MARIA LOPEZ MARTINEZ

**josemaria.lopez@upm.es**

- Wilmar Cabrera Montiel

**wilmar.cabrera@upm.es**

- SANTIAGO TAPIA FERNANDEZ

**santiago.tapia@upm.es**

- FELIPE JIMENEZ ALONSO

**felipe.jimenez@upm.es**

## Technological Offers type

Software

## Where?

University Automotive Research Institute (INSIA) UPM Research Group on Laser Engineering and Applications Vehicle and Transport Safety and Environmental Impact Research Group (GIVET)

## Software description

This program has two very different parts. On the one hand, a series of programs in Matlab that implement a fuel consumption model, and on the other, a Java application that implements an adaptation of Dynamic Programming to optimise an automotive vehicle's fuel consumption.

## Reference

M-9314/2010