COLLOQUIA



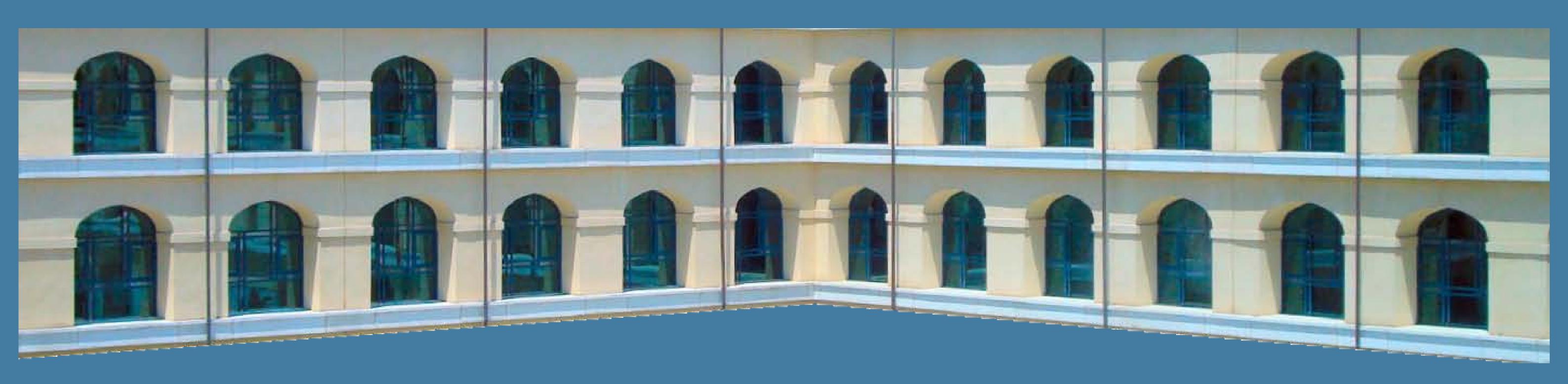
Wednesday, September 12, 2012

Jesús M. Sanz Serna (Universidad de Valladolid)

Averaging old and new

Abstract:

I shall begin by reviewing the main ideas behind the method of averaging to study rapidly oscillatory dynamical systems. Then I shall present a new way of finding explictly high-order averaged systems (joint work with A. Murua and P. Chartier). The new approach originated in the graph-theoretic/combinatorial techniques used nowdays to analyze numerical integrators and is also useful in the derivation of error estimates.



Univ. Carlos III de Madrid



Default Data

Time 10:45 to 11:45
Location Room 2.2.D08
Building Sabatini (2nd Floor)

Address

Avda. de la Universidad 30 28911, Leganés, Madrid

Department of Mathematics

