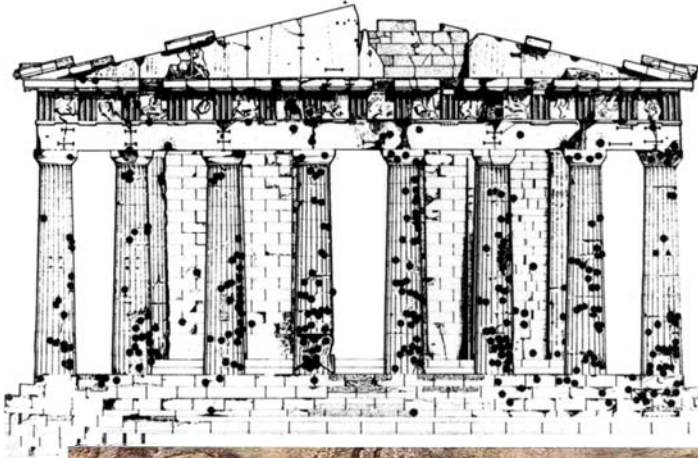


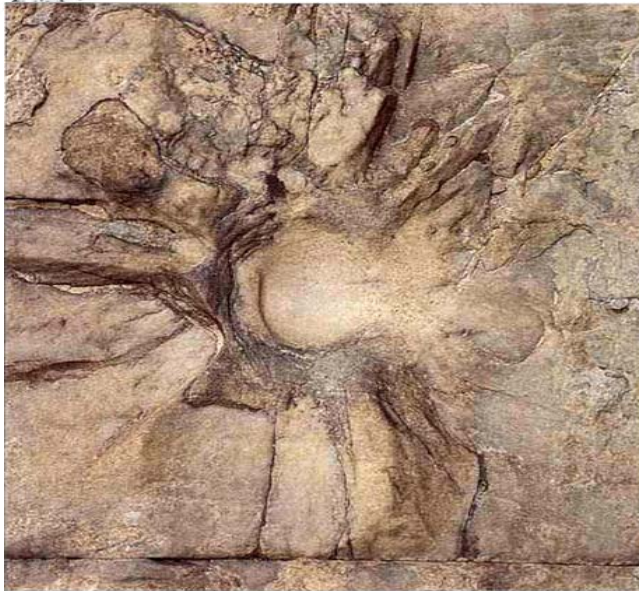
FRANCISCO MOROSINI, DOGE OF VENICE BESIEGES THE ACROPOLIS (SEPT. 26, 1687)

Ares Rosakis

A coalition of Venice, Austria and Papal forces attacks the Ottoman Empire



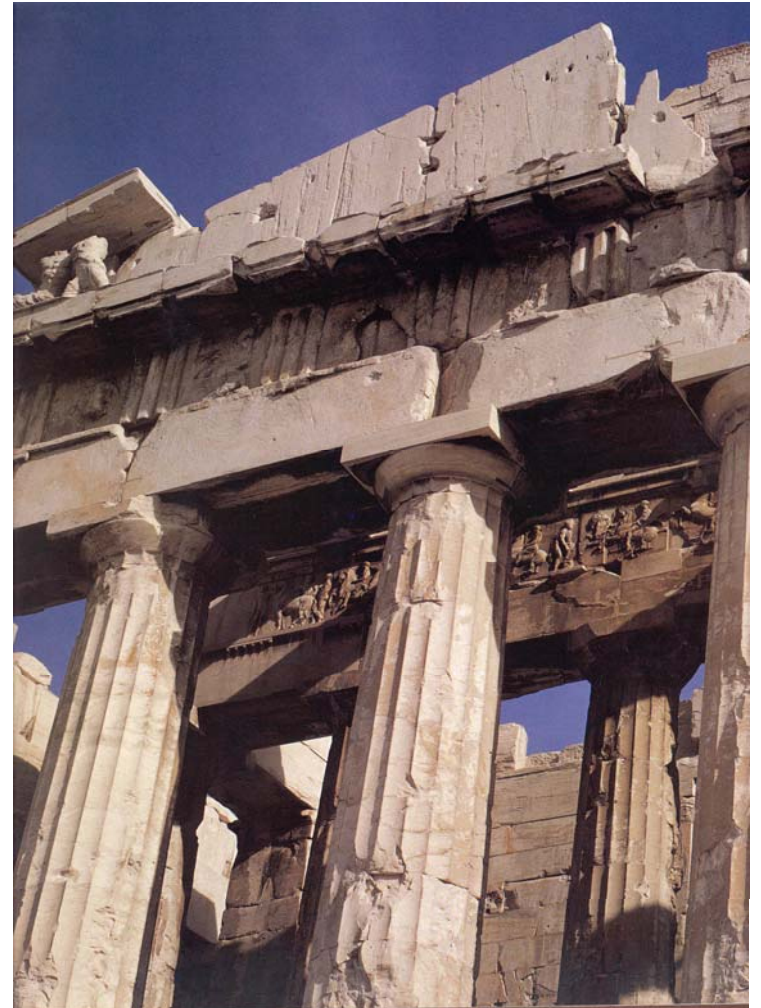
Locations of cannonball damage on the facade



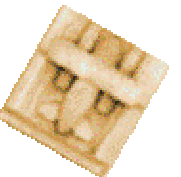
Cannonball imprint on a marble column



One of Morosini's cannonballs

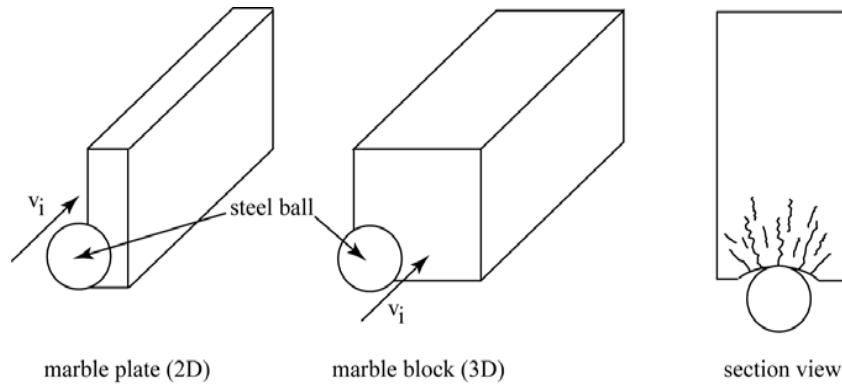


Collaborative work with Professor I. Vardoulakis, The Technical University of Athens

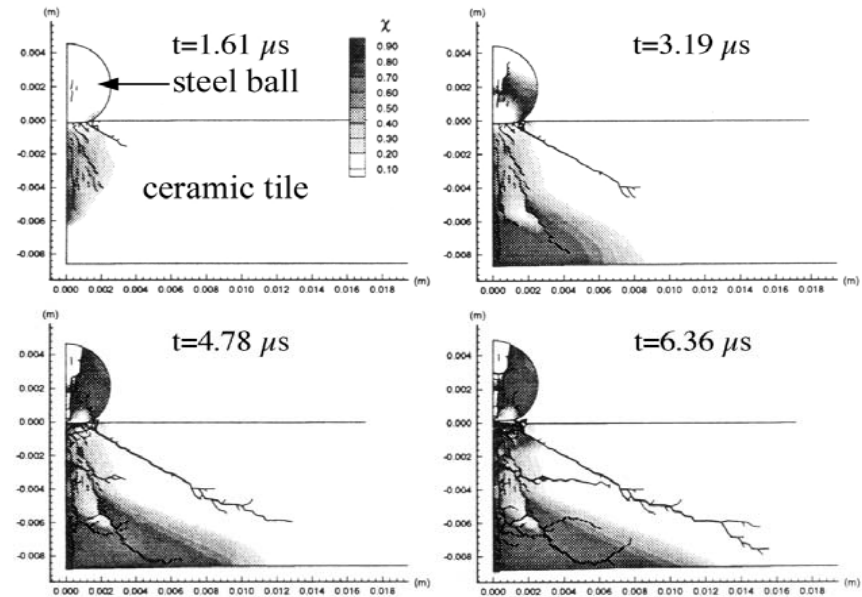


A PROGRAM TO SIMULATE COLUMN DRUM IMPACT DAMAGE: Experiments and validated numerics

Ares Rosakis



Proposed configurations for verification experiments and simulations: (a) in-plane impact of a marble plate, (b) impact of a marble block and (c) section view of damage.



Results from the numerical simulation of the impact of a steel ball on a ceramic tile using the cohesive-law model of failure (from Camacho & Ortiz).

