

University of L'Aquila  
Department of Information Engineering, Computer Science and Mathematics

A PRIMER IN MECHANICS (3 CFU, 1st semester, in English)

Vector spaces and Euclidean spaces; tensors; shapes and deformations; rigid deformations; affine deformations; orthogonal tensors; deformation gradient; polar decomposition; left and right stretch tensors; principal stretches; motion and velocity field; power, force and balance.

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<http://ing.univaq.it/tatone/>

Amabile Tatone

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