



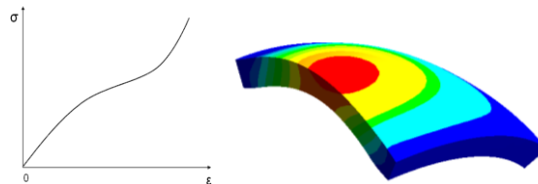
SEMINARIO DE IMÁGENES Y VISIÓN
INSTITUTO DE OPTICA (CSIC)



**Modelling Elastomers
and Biomechanical Materials**

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Abstract

The basic mechanical properties and the modeling approach of the elastomers or ‘rubber-like’ materials are very similar to those of the biological tissues of the eye (cornea, crystalline lens). In the first part the basic mechanical properties and their characterization methods will be shown along with some material models commonly used for describing elastomers. In the second part a short introduction to the finite element analysis will be presented with some special techniques that are required for the non-linear modeling.

Jueves, 4 Octubre 2012

15:00 horas

Sala Juntas, Serrano 121, Madrid

Información:

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