

# Numerical and Experimental Approach for Crack Growth in Wood

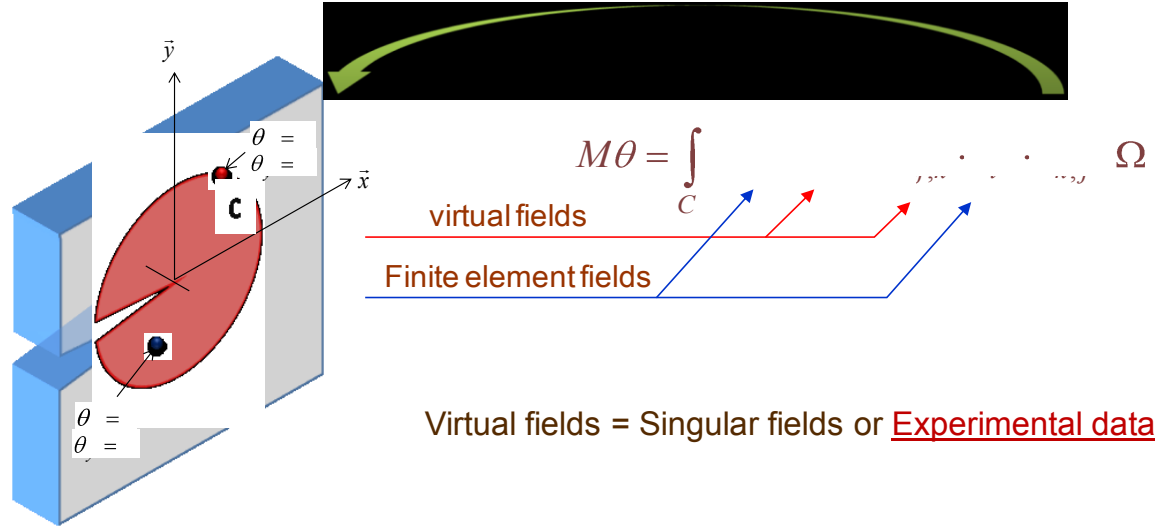
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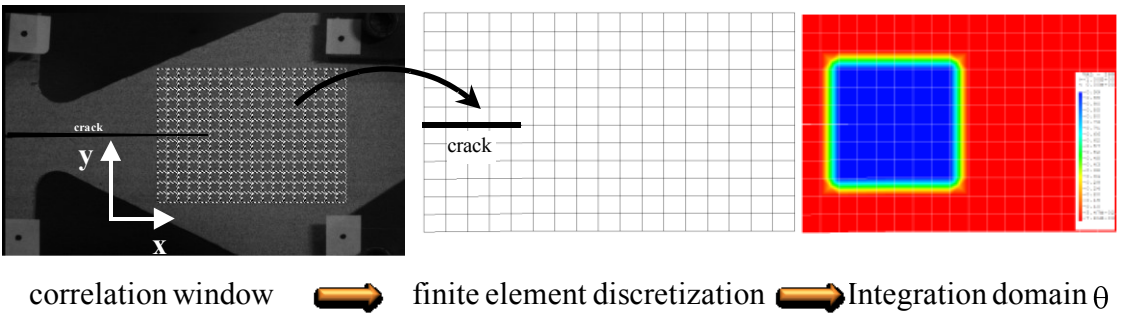
■ Scientific context

Coupling Digital Image Correlation Method and non dependence path integral in order to determine fracture properties in wood material

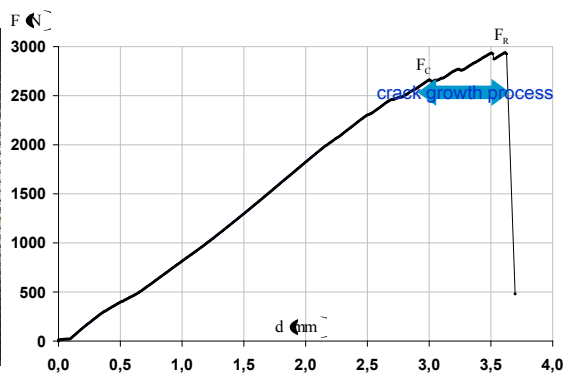
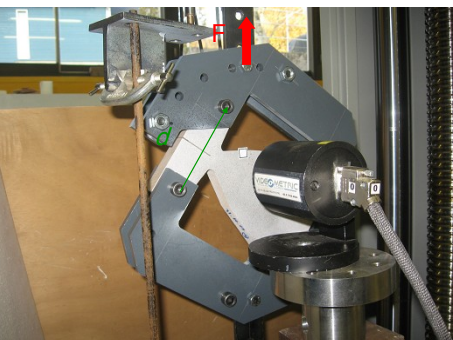
■  $M\theta$  formalism



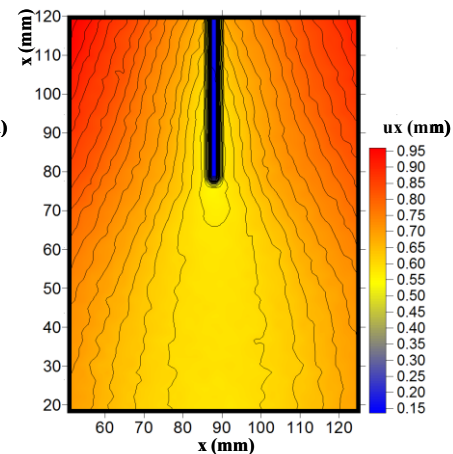
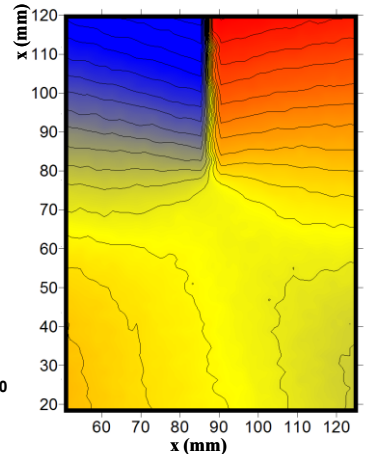
■ Digital Image Correlation Method



## Experimental setup



## Displacement cartographies



## Energy release rate evaluation

