



SESSION 4 - ARCHITECTURE AND GEOMETRY
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DIFERENTES UTILIZAÇÕES PEDAGÓGICAS DO CONCEITO DE HOMOTETIA
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ABSTRACT

We begin analysing how the geometry of Euclid's Elements interprets the concept of "measure". Then we define the operation of dilation within the context of the groups of isometry describing some applications concerning different constructions on plane geometry.

Finally we reason about the concepts of "point" and "scale", supported on the notion of homothetic transformation and the historical meaning of the standardization of measurements.