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**Exploring some situations involving equivalent and isoperimetric plane figures with Cabri Géomètre II. (Estudio de algunas situaciones sobre figuras planas equivalentes e isoperimétricas mediante el uso de "Cabri Géomètre II".)**

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The tendency of many students to confuse the concepts of area and perimeter of plane figures is well known. Castelnovo (1975) defends that the acquisition of the concept of area must be carried out by means of the confrontation with that of the perimeter. To do that, she proposes some activities of Dynamic Geometry, to be made with different material, that allow us to consider the variation of the area of a surface when its shape changes while its perimeter stays constant. The author defends the idea that it is the change of surface, its transformation, that attracts the glance and the thought of the student and what makes him to intuit the concept of area. At present we can use a type of Dynamic Geometry Software as can be "Cabri Géomètre II" to study with our students of Teacher Training some situations referring to plane figures, as equivalent as isoperimetric, with the aim to put emphasis on the ideas exposed by the mentioned author. (orig.)

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