



FACULTAD DE  
**CIENCIAS**  
UNIVERSIDAD AUTÓNOMA DE MADRID

**UAM** Universidad Autónoma  
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SEMINARIO DE ANÁLISIS COMPLEJO  
(COMPLEX ANALYSIS SEMINAR)

**Isoperimetric inequalities for polygons: Available methods  
and open problems**

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**Resumen (Abstract):**

We will discuss several isoperimetric problems for geometric and functional characteristics of polygons with  $n \geq 3$  sides. I will demonstrate several methods, which can be used to attack these problems, explain remaining difficulties, and mention several challenging questions, which remain open for long time.