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# CURSO DE DOCTORADO

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### *Introduction to tropical ideals*

**Abstract:** Tropical ideals are algebro-combinatorial objects introduced with the aim of giving tropical geometry a solid algebraic foundation. These ideals over the semiring of tropical polynomials have a rich structure dictated by a sequence of 'compatible' matroids, and satisfy many desirable properties. This minicourse will give a basic introduction to tropical ideals, discuss some of their main properties, and point out some of the main open questions in this direction.

**Aulario de la Facultad de Ciencias**  
**Lunes 23 de Mayo de 2022 (0:00)**

