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Aula T2 (UB).

**Extremal functions in pluripotential theory
and envelopes of disc functionals.**

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ABSTRACT: The extremal functions of pluripotential theory are defined as suprema of classes of plurisubharmonic function, e.g., the relative extremal function, the Siciak-Zaharyuta extremal function, and various Green functions. Around 1990 Poletsky observed that some of these functions can be represented as certain infima of values of disc functionals. His results have been extended in various directions. I will survey a few of these result and at the end of the talk I will present a recent result of Benedikt Steinar Magnusson, Aron Lagerberg, and myself, where we unite the three main examples of disc functionals into one and generalize many earlier results.