



# SEMINÁRIO DE EQUAÇÕES DIFERENCIAIS

**Geometric regularity estimates in diffusive problems**

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**Abstract:** Regularity issues in elliptic problems are central in the analysis of several area of pure and applied mathematics. In this talk I'll discuss a set of new geometric tools designed to access the underlying regularity theory for singular or degenerate elliptic problems. The results, nonetheless, are novel even for linear, uniformly elliptic equations.