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Singular perturbed systems in flame propagation and particle interaction

LUIS CAFFARELLI¹ <caffarel@math.utexas.edu>

We will discuss several singular perturbed systems, their uniform regularity, and the structure of their limits. The problem is connected to the theory of multiple valued harmonic functions, in particular the frequency formula of Almgren plays a fundamental role.

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¹University of Texas, Dept. of Mathematics

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