

LadHyX Seminar – March 19th, 10:45

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Dissolution and precipitation patterns

In the first part, I will discuss the dissolution instability, as a consequence of the existence of an anomalous regime at intermediate Reynolds numbers for the flow fields in response to a bed perturbation, and which was experimentally evidenced by Hanratty and coworkers in the 70-80s. In the second part, I will move to mineral straws, a precipitation pattern one can find in caves as well as in human constructions. I will present for these straws analogue experiments and evidence two growing regimes.