

Miguel Escobedo

An inverse problem for a fragmentation equation

This talk addresses how to estimate the fragmentation rate and dislocation measure of a fragmentation equation from measurements of the size distribution of the corresponding particle system. This is a natural question for any application where the sizes of the particles are experimentally measurable whereas the fragmentation rates and dislocation measure are unknown.

This work is in collaboration with M. Doumic and M. Tournus.