



PHYSIKALISCHES KOLLOQUIUM

Mittwoch, den 25.01.2012, um 17:15

Reichenhainer Str. 90, Neues Hörsaalgebäude, Raum 2/N013

Dynamics of active emulsions



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Suspensions of droplets containing active substances such as, e.g., the Belouzhov-Zhabotinski solution, provide interesting approaches to systems exploiting collective behaviour and nonlinear coupling. We demonstrate several settings, including active gel-emulsions in microfluidic environment and free running droplets exhibiting complex collective motion, often termed swarming. It is shown that active emulsions can serve not only as well-defined model systems elucidating complex behaviour in biology, but also as building blocks for self-assembled soft functional devices.

Alle Zuhörer sind ab 17:00 Uhr zum Kaffee vor dem Hörsaal eingeladen

Informationen zum Vortrag erteilt Prof. Dr. Peter Häussler, Tel. 0371 531 33140