N-linked Locomotion in Stokes Flows

Jair Koiller FGV/RJ and Millenium Instite AGIMB/Brazil

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In the first part of the talk, I show a geometrical mechanics approach for "Purcell's animat" and its N linked generalization. This is a warm up exercise for a more difficult problem, which I discuss (but do not solve) in the second part: studying flagellar swimming as a result of the internal force fields in the flagellum.