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Diffusion of torqued active particles[1] MARIO SANDOVAL, ERIC LAUGA, University of California San Diego — Motivated by swimming microorganisms whose trajectories are affected by the presence of an external torque, we calculate the diffusivity of an active particle subject to an external torque and in a fluctuating environment. The analytical results are compared with Brownian dynamics simulations showing excellent agreement between theory and numerical experiments.

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