The submarine’s wake ADRIEN BENUSIGLIO, MARRIE LE MERRER, CHRISTOPHE CLANET, LadHyX, Ecole Polytechnique — An object moving under water creates a wake at the surface. We measure the amplitude of the wake and the additive drag it creates on a sphere moving horizontally at different depths and speeds. We isolate two different behaviors at high and low depths. Can we deduce the size and depth of a submarine from its wake?

Adrien Benusiglio
LadHyX, Ecole Polytechnique

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