

Abstract Submitted
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The submarine's wake ADRIEN BENUSIGLIO, MARRIE LE MER-
RER, CHRISTOPHE CLANET, LadHyX, Ecole Polytechnique — An object mov-
ing 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 behaviours at high and low depth. Can we
deduce the size and depth of a submarine from its wake?

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