

Abstract Submitted
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Swimming in mud NEIL BALMFORTH, University of British Columbia,
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problem of the swimming of a flexible sheet in a viscous fluid driven by waves prop-
agating down its length. In particular, we add a yield stress to the problem and
calculate how the swimming speed is modified for waves of both low and high am-
plitude. We examine the flow patterns created around the swimmer as it locomotes
and comment on designing strategies for optimal progress.

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