

Hocking, L. M.

The spreading of a thin drop by gravity and capillarity. (English) Zbl 0507.76100

Q. J. Mech. Appl. Math. 36, 55-69 (1983).

For a scan of this review see the [web version](#).

MSC:

76T99 Multiphase and multicomponent flows

35C20 Asymptotic expansions of solutions to PDEs

35C99 Representations of solutions to partial differential equations

76M99 Basic methods in fluid mechanics

Cited in **50** Documents

Keywords:

spreading of thin three-dimensional drop; combined effect of gravity and capillarity; similarity parameter; Bond number; axisymmetric; equations of lubrication theory; matching three asymptotic expansions

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