Low Reynolds number hydrodynamics

with special applications to particulate media

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<u>Low Reynolds Number Hydrodynamics With Special</u> <u>Applications To Particulate</u>

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principles From the pedagogic viewpoint it seems worthwhile to show that the Navier Stokes equations which form the basis of all systematic texts can be employed for useful practical applications beyond the elementary problems of laminar flow in pipes and Stokes law for the motion of a single particle Although a suspension may often be viewed as a continuum for practical purposes it really consists of a discrete collection of particles immersed in an essentially continuous fluid Consideration of the actual detailed boundary value problems posed by this viewpoint may serve to call attention to the limitation of idealizations which apply to the overall transport properties of a mixture of fluid and solid particles **Low Reynolds Number Hydrodynamics** John Happel,1983 **Low Reynolds Number Hydrodynamics** John Happel,1965

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Zhao, 2022-08-24 Modeling of Mass Transport Processes in Biological Media focuses on applications of mass transfer relevant
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