

Granular Media Between Fluid And Solid

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between grains; solid, liquid and gaseous behaviours; coupling with a fluid; and sediment transport and formation of geological structures.

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Granular media : between fluid and solid

Understanding and modelling the flow of dense granular media is challenging and many questions remain to be answered, despite important advances having been made during the last decade. In this chapter, we first present the basic features of dense granular flows (Section 6.1), before focusing on the rheology of this peculiar liquid (Section 6.2).

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Granular Media by Bruno Andreotti

Granular media : between fluid and solid / Bruno Andreotti, Yoel Forterre, Olivier Pouliquen. 288 pages cm Includes bibliographical references and index. ISBN 978-1-107-03479-2 (hardback) 1. Granular materials - Fluid dynamics. I. Forterre, Yoel, 1973- II. Pouliquen, Olivier. III. Title. TA418.78.A53 2013 620 .43 - dc23 2013006089

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Lagrée, S. Popinet, P. Ruyer, P. Aussillous. Experiments on, and

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discrete and continuum simulations of, the discharge of granular media from silos with a lateral orifice. J. Fluid Mech. 829, 459-485 (2017) pdf

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