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- > Relevance to wet granulation and coating (sticking & picking, agglomeration)
- Prediction of wet granular flow is difficult: capillary, viscous, inertia effects.
- More rigorous model would help to predict the liquid transport between particles more reliably



^[3]Radl et al., AIChE Annual Meeting, 2013

^[2]Toschkoff et al., **Chem. Eng. Sci**, 2013.

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Proposed Model Wet Particles



Goals of the Sandbox Project

Disseminate our research results more effectively

Attract young people to do research with the computer



Sandbox Setup



> Sandbox frame setup

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http://idav.ucdavis.edu/~okreylos/ResDev/SARndbox.

w.LangeNachtderForschung.

The Virtual Sandbox at TU Graz



Figure: Sand surface based on different altitude without liquid (the left panel), liquid injection in the region of lower altitude (the right panel) GE NACHT ORSCHUNG



Figure: Sandbox frame set up at TUG

Reconstruct of surface to generate stl for Simulation













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³Research Center Pharmaceutical Engineering GmbH, Graz University of Technology Jhank you for

your attention 谢谢!

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