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repulsive contact forces mentioned earlier. MESO CONTACT MODEL SIMULATION TOOL IN NANOHUB. We deployed the Mesoscale Contact Model tool via nanoHUB.org using the Rappture toolkit (McLennan, 2005). Rappture stands for " r. apid . app. lication infrastruc. ture, " and it is an easy way to utilize graphical user interfaces based on different programming

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This video is part of a Fall 2017 course at Purdue University: ME 597/PHYS 570: Fundamentals of Atomic Force Microscopy On nanoHUB: Table of Contents: 00:09 Lecture 2.6: Combining contact ...

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Table of Contents: 00:09 Lecture 2.5: Contact Mechanics Predict the stresses and ... 01:17 Action of a point force (Boussinesq, 1885) 02:33 Action of a punch...

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nanoHUB.org, DLR, West Lafayette, IN (2020)

Project: Experimental Contact Mechanics in Particulate Composite Materials Fall 2017 - Spring 2019 ME 498 Project: Experimental Contact Mechanics in Particulate Composite Materials ... (SURF & nanoHUB) Project: Microstructure evolution during powder compaction Software development: Powder Compaction (nanoHUB tool) Fall 2014 - Spring 2016

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