

The Discrete Element Method

BMEEOTMMN64

2018-2019 Spring Semester

	Thursday 16.15-18.00 KM 63	Lecture
1.	07. Feb.	Lecture: Introduction to DEM. Main steps of analysis
2.	14. Feb.	Lecture: The equations of motion. Overview of numerical methods
3.	21. Feb.	Lecture: BALL-type models
4.	28. Feb.	Lecture: UDEC and 3DEC
5.	07. Mar.	Test 1.: Fundamentals of DEM HW topic selection
6.	14. Mar.	How to use 3DEC HW presentations #1: The chosen problem
7.	28. Mar.	Lecture: The DDA method HW presentations #2: Geometry and materials
8.	04. Apr.	Lecture: The Contact Dynamics method HW Consultation
9.	11. Apr.	Lecture: Munjiza's FEM/DEM HW presentations #3: Loads; Initial results
10.	18. Apr.	Early-Bird Submission of Homeworks; HW Consultation
11.	25. Apr.	Homework Submission
12.	02. May	Lecture: State variables for discrete systems 2/1.
13.	09. May	Lecture: State variables for discrete systems 2/2.
14.	16. May	Test 2.: Advanced DEM techniques

Budapest, 10 Dec 2018.

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