Course outline

MATLAB_SCRIPTS

LAMMPS_SCRIPTS

Installation_Procedure

course work?

MATLAB

Week 1

Week 2

Week 3

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Week 11

Week 12

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Quiz : Assignment 11

Week 11 Feedback :

Materials Modelling

Additional Documents

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Foundations of Computational

Score: 0

Accepted Answers: a random number

How does an NPTEL online

Unit 16 - Week 11

NPTEL » Foundations of Computational Materials Modelling

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due o
1) Which command specifies the pairwise force field coefficients for one or more pairs of atom types?	
pair_modify command	
pair_style command	
pair_write command	
O pair_coeff command	
No, the answer is incorrect. Score: 0	
Accepted Answers: pair_coeff command	
2) What is the expression for Diffusion Coefficient in 3-dimensions?	
$D = 6N \lim_{t \to \infty} \frac{d}{dt} \left\langle \sum_{i}^{N} (r_i(t) - r_i(0))^2 \right\rangle$	
$D = \frac{1}{6N} \lim_{t \to \infty} \frac{d}{dt} \left\langle \sum_{i=1}^{N} (r_i(t) - r_i(0))^2 \right\rangle$	
$D = 6N \lim_{t \to 0} \frac{d}{dt} \left\langle \sum_{i}^{N} (r_i(t) - r_i(0))^2 \right\rangle$	
$D = \frac{1}{6N} \lim_{t \to 0} \frac{d}{dt} \left\langle \sum_{i}^{N} (r_i(t) - r_i(0))^2 \right\rangle$	
No, the answer is incorrect. Score: 0 Accepted Answers:	
$D = \frac{1}{6N} \lim_{t \to \infty} \frac{d}{dt} \left\langle \sum_{i}^{N} (r_i(t) - r_i(0))^2 \right\rangle$	
3) command deletes all atoms, restores all settings to their default values, and frees all memory	ry allocated by LAMM
next	
quit	
O run	
○ clear	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
4) command assigns the next value to the variable from the list of values defined for that variable	ole by the variable cor
dump	
echo	
variable	
next	

