Overview Exercises

CH0: Revision

source: *exercises_00.mlx, exercises_00_Matlab_Solutions.mlx*

selfstudy: *exercises_00.mlx*

Look at the examples and make the following exercises (on paper): ex. 1 (g(x),k(x),p(t)), ex. 2(6),

ex. 3(1,2), ex. 4(1,2), ex. 5 (1), ex. 6, ex. 9, ex. 10(1), ex. 12, ex. 15, ex. 16, ex. 19.

Correct them yourself with the solutions provided in *exercises_00_Matlab_Solutions.mlx*.

If you have questions or you came across exercises you would like to go over again together next

lesson. Please already send them by email to addie.neyt@mil.be before 7/03.

CH2: Ordinary Differential Equations

source: *exercises_01.mlx, exercises_02.mlx*

CH3: Linear Differential Equations

source: *exercises_03.mlx, exercises_04.mlx*

selfstudy via BelADL: Mass-spring system

CH12: Partial Differential Equations

source: *exercises_06.mlx, exercises_07.mlx*

CH16: Calculus of variations

source: *exercises_08.mlx*