

# TEREA 1

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Request: Please try to submit a clear copy of your results(plots) in pdf format and if you want us

ANALYTICAL PROBLEM

NAME OF THE GROUP

(GRADE)(2.a+b+c and 3)

tarea1-pestanas

10

tarea1-pinguinos

5

Dogos-

7

tarea1-team-of-evil

2

**tarea1-hell-s-satans** **7**

**tarea1-equipocuchara** **10**

**tarea1-the-chaotic-experience** **8**

to check your code please make Jupyter no

NUMERICAL PROBLEM

(GRADE)(1.a+b+c+d+e)

8

9

3

0

9

10

8

tebook which is an open software and easy to download.

## COMMENTS

- A. Thanks for giving the plots in pdf.
- B. For 1.a you people are asked to "Compararlo con la aproximación vista en clase basado en teoría de perturbaciones." which is missing in your plot.
- C. 1.e is missing

- A. Please take a clear picture of your solution next time.  
(you may use camscanner app)
- B. Improve your handwriting.
- C. It is not good to change your variable otherwise asked(2)
- D. 2.a) you are not asked to calculate the change in U.  
Please read the question carefully.
- E. 2.c) Please right Cosine inverse instead of arcos  
(not MANDATORY though)
- F. For problem numbrer 3 please have a look at the solution manual when it will be given to you
- G. Please choose the value of k in such a way so that two curves don't fall on each other :)
- H. However the way you presented your solution 1 is appreciable.

- A. Instead of submitting plots for different problems separately try to make a pdf file with all the plots merged in one with proper labels.
- B. Range can't be negative.
- C. No need to upload your output data file only relevant plots.
- D. All the subsections of 1 are not attempted properly.
- E. For problem numbrer 3 please have a look at the solution. manual when it will be given to you

- A. For analytical problems please have a look at the solution, manual when it will be given to you.
- B. Just a request..give a proper name to your files.
- C. PROVIDE US THE PLOTS DIRECTLY IN PDF PREFERABLY.  
WE ARE NOT GOING TO RUN THE CODE.

- A.** It's good the way you submitted problem 1. Can you please give Us pdf of this solution next time? Thank you :)
- B.** The plot for range vs k is missing..you needed to show us the Plots as well.
- C.** PLEASE SUBMIT A CLEAR SOLUTION OF ANALYTICAL PROBLEMS. You can also write them in Latex.
- D.** There is a conceptual problem for question number 3..please Refer to the solution manual.

- A.** Good job Cuchara! Please keep it up..
- B.** Can you submit the solution in English next time?? ( request :( )
- C.** Can you use Jupyter notebook?
- D.** For 2.b) instead of concluding it, you needed to plot them.

- A.** Try to put label inside plots.
- B.** Try to put the trajectories together one on top of the other.
- C.** The comparison requested in problem 1.b) is missing. Also horizonatal velocity vs time.
- D.** Please check your solution for 2.b).