The Department of Mathematics  
2021–22–B term

Course Name  Approximation Theory

Course Number  201.1.0121

Course web page  
https://www.math.bgu.ac.il//en/teaching/spring2022/courses/approximation-theory

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Office Hours  https://www.math.bgu.ac.il/en/teaching/hours

Abstract

Requirements and grading

Course topics

1. Preliminaries: floating point arithmetic, round-off errors and stability. Matrix norms and the condition number of a matrix.

2. Introduction to numerical solutions for ODE’s: initial value problems, Euler’s method, introduction to multistep methods. Boundary value problems.


Information may change during the first two weeks of the term. Please consult the webpage for updates