



Funded by the European Union





DC-2 Presentation

Polytimi Zisimopoulou polytimi.zisimopoulou@upc.edu 10.11.2023

About me

Personal Info



Full Name

Age

Born & raised in

Coming from

Hobbies

Polytimi Zisimopoulou

28

Athens, Greece

Greece & Ethiopia

Dancing, Reading, ...



About me

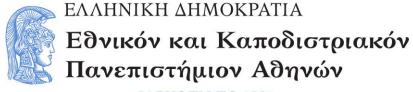


Education

Bachelor's Degree in Mathematics | 2018

University of Athens, Greece

Stream: Applied Mathematics



- ΙΔΡΥΘΕΝ ΤΟ 1837 -

Master's Degree in Applied Mathematical Sciences | 2022

National Technical University of Athens, Greece

- Stream: Computational Mathematics
- Thesis: Bézier decomposition for T-spline interpolation in

two-dimensional potential problems





Education

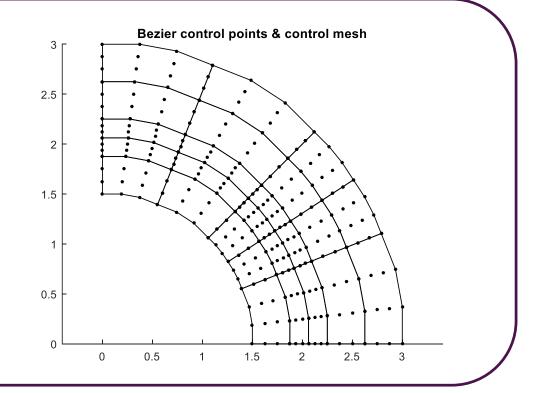


Master Thesis

Master Thesis title: Bézier decomposition for T-spline interpolation in two-dimensional potential problems

Idea: Using the resulted Bezier functions as the IGA solution space basis after performing Bezier Decomposition

Supervised by: Professor Christopher Provatidis





DC2- Isogeometric discretizations in computational solid mechanics



Centre Internacional de Mètodes Numèrics a l'Enginyeria (CIMNE) Universitat Politècnica de Catalunya (UPC)



Supervisors: Lucia Gratiela Barbu, Alejandro Cornejo **Objectives**:



- Applicability of IBRA-type discretization to problems in solid mechanics.
- Study of the use of trimming in 3D volumetric solids
- Exploration of the interaction between the discretization in multiple patches and material modeling-related aspects









Thank you!

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