



**Odesa I.I.Mechnikov  
National University**



**University of L'Aquila**

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## **Double-Degree Master's Programme - InterMaths Applied and Interdisciplinary Mathematics**

**Applied Mathematics**

**ODESA I.I.MECHNIKOV NATIONAL UNIVERSITY ()**

**Master of Science  
Mathematical Engineering**

**UNIVERSITY OF L'AQUILA (UAQ)**

### **Master's Thesis**

*Experiments with Dataless Neural Networks to solve the Maximum  
Independent Set Problem*

**Supervisor**

Prof. Fabrizio Rossi

**Candidate**

Kyrylo Vdovin

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**Co-advisor**

Dr. Andrea Manno

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Student ID (UAQ): 274484

Student ID (): 4565329

**Academic Year** 2021/2022