



HELLENIC REPUBLIC  
**National and Kapodistrian University  
of Athens**  
School of Science

Faculty of Physics  
Department of Condensed Matter Physics  
University Campus, GR -157 84  
Zografos, Greece  
Associate Prof. I.A. Lelidis  
tel.: +30 210 72 76 818  
e-mail: [ilelidis@phys.uoa.gr](mailto:ilelidis@phys.uoa.gr)

Athens, 21/12/2025

Admissions Committee  
MSc Applied and Computational Mathematics  
KTH Royal Institute of Technology  
SE-100 44 Stockholm, Sweden

#### Letter of Recommendation

Dear colleagues,

It is with great pleasure that I am writing this letter of recommendation for my former student, Mr. **Demetris Demetriades**, who is applying for the Master's degree program in Applied and Computational Mathematics offered by KTH Royal Institute of Technology. I first met Mr Demetriades as a third-year student when he attended my course *Statistical Physics 2 (Phase Transitions and Critical Phenomena)* in the Bachelor's degree program in Physics during the spring semester of 2023. He performed exceedingly well in the final examination, receiving the top mark 10/10, placing him among the best 5% of students over the past five years.

In the following academic year, 2024-25, he worked under my supervision on his Bachelor's thesis entitled: *Honeycomb Kitaev Model – Anyons in an Exactly Solved Model and Beyond*. He received the top mark 10/10. Our discussions on phase transitions, strongly correlated systems, mathematics and numerical calculations revealed to me an enthusiastic young physicist with a strong background in mathematics and computation, who cares about tackling complex problems. He consistently sought to elucidate every aspect of the subject in order to develop a coherent and deep understanding of the underlying phenomena, while always respecting deadlines and working efficiently.

In general, I consider Mr Demetriades to be diligent, hard-working, and fond of learning. I sincerely wish that he would be offered the opportunity to pursue his studies further, advance his learning and to develop his talents and skills. For these reasons, I highly recommend him for your Master's degree program.

I. Lelidis  
D.Sc. (Habilitation, Paris VI), Ph.D. & M.Sc (Paris XI)  
Associate Professor in Physics, University of Athens