

Max Appelbaum

Physicist

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Experience

Experimental

Conductivity research.

- Research
- Researching electric conductivity and photo-conductivity in complex oxides interfaces
- Building piezoelectric-based scanners for highly sensitive measurements
- Designing and building high vacuum cryogenic systems

Theoretical

Model development.

- Research
- Developing fast mathematical model for gravitational waves analysis
- Developing alternatives to expensive and lengthy numerical simulations
- Numerically solving complex astrophysical dynamics

Education

2018-2021 **MSc in physics**, *Bar-Ilan University*.

2014-2018 **BSc in physics**, *Bar-Ilan University*.

Teaching Experience

2018-2021 **Teaching assistant**, *Bar-Ilan University*.

- Teaching theoretical courses such as Mechanics, Electromagnetism and Optics
- Teaching laboratory courses such as Mechanics, Electromagnetism and Optics

Computer Skills

Languages Python, MATLAB, R, Mathematica

Softwares Inventor

Military Service

Mandatory Full 3-year military service

Languages

English Fluent

Hebrew Native

Russian Intermediate

References

Available on request