

Session Program

26-30 Nov 2018



DISCRETE 2018

PT symmetric Hamiltonians

Thursday 29 November

14:00

PT symmetric Hamiltonians

Session |

Location: Johannessaal, Austrian Academy of Sciences, Dr.-Ignaz-Seipel-Platz 2, 1010 Vienna, AUSTRIA |

Convener: Carl Bender

14:00-14:25

Symmetry properties of non-Hermitian, PT-symmetric quantum field theories

Speaker

Dr Peter Millington

14:25-14:50

The ODE-IM correspondence and PT symmetry

Speaker

Prof. Patrick Dorey

14:50-15:15

Parity-Time symmetry and exceptional points in Bose-Einstein condensates

Speaker

Gunter Wunner

15:15-15:40

Parity-Time and other Symmetries in Optics and Photonics

Speaker

Dr Demetrios Christodoulides

15:40-16:05

Quantum Mechanics and Riemann Hypothesis

Speaker

Dorje Brody

16:05

16:30

PT symmetric Hamiltonians

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Convener: Carl Bender

16:30-16:55

Lasing and Disorder Scattering Inspired by PT-Symmetry

Speaker

Stefan Rotter

16:55-17:20

PT and CPT Symmetry as a Dynamics

Speaker

Prof. Philip Mannheim

17:20-17:45

Extreme dynamics and sensitivity close to exceptional points

Speaker

Prof. KONSTANTINOS MAKRIS

17:45-18:10

The IR-truncated \mathcal{PT} -symmetric $V=ix^3$ model and its asymptotic spectral scaling graph

Speaker

Dr Uwe Guenther

18:10-18:35

Energy transport and symmetry breaking in a microscopic power grid

Speaker

Julian Huber

18:35