

What does mathematics tell us about the physical world?

30-31 May 2019

Institute of Philosophy, Czech Academy of Sciences
AKC - Husova 4a 110 00, Prague, Czech Republic

Thursday, 30 May 2019

9.15 - 10.15 Arianna Borrelli: The materiality of physical-mathematical concepts: Angular momentum and its conservation laws

10.20 - 11.20 Radin Dardashti: Mathematics and the Limits of Physical Possibility

11.20 - 11.40 Break

11.40 - 12.40 Vít Punčochář: Are mathematical objects just useful fictions?

12.40 - 14.00 Lunch

14.00 - 15.00 Neil Dewar: Representation and Invariance

15.05 - 16.05 Jo E. Wolff: Quantitative and qualitative structures

16.05 - 16.25 Break

16.25 - 17.25 Antonio Vassallo: On the nomic status of Einstein field equations

17.30 - 18.30 Davide Romano: Does decoherence theory support the Many Worlds Interpretation of quantum mechanics?

Friday, 31 May 2019:

9.15 - 10.15 Casey McCoy: Ambient Randomness in the Foundations of Probability Theory

10.20 - 11.20 Ladislav Kvasz: Galileo, Descartes, Newton—Founders of the Language of Physics

11.20 - 11.30 Break

11.30 - 12.00 Roundtable Discussion