CoE-MaSS weekly seminar series

THE DST-NRF CENTRE OF EXCELLENCE IN MATHEMATICAL AND STATISTICAL SCIENCES (CoE-MaSS) PRESENTS A SEMINAR BY

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"Applications of group theory to Mathematical Biology"

Friday, 24 August 2018
10h30-11h30
CoE-MaSS Seminar Room, 1st floor,
Math Sci Bldg, West Campus, Wits University.

Throughout the 20th century Mathematical Physics was the dominant paradigm to understand the world in which we live. One of the more successful techniques for analysing the problems that arose is the group theoretic approach due to Sophus Lie. The literature abounds with applications of this technique following its rejuvenation due to Ovsiannikov (and his students) in the former Soviet Union and Bluman, Olver and coworkers in the West. More recently, Mathematical Biology has become a forefront of the approach to understand the natural world. In this talk, we will give a few examples of applications of group theory in this area and show that the method can enjoy the same success as it did in the field of Mathematical Physics.

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