

CoE-MaSS weekly seminar series

THE DST-NRF CENTRE OF EXCELLENCE IN MATHEMATICAL AND
STATISTICAL SCIENCES (CoE-MaSS) WOULD LIKE TO PRESENT
A SEMINAR BY

Prof Mark Roalands

*(School of Business Management, Faculty of Natural Science,
North-West University, Potchefstroom, South Africa)*

“Hilbert’s metric and its isometries”

Friday, 24 February 2017
10h30-11h30



Broadcast live from:

Videoconferencing Facility, 1st Floor
Mathematical Sciences Building, Wits West Campus

How to connect to this seminar remotely:

You can connect remotely via Vidyo to this research seminar by clicking on this link:
<http://wits-vc.tenet.ac.za/flex.html?roomdirect.html&key=y0SSOwFsvsidbzig4qFdWXvvQtyl>
and downloading the Vidyo software before the seminar.

**You must please join in the virtual venue (called “CoE Seminar Room (Wits)” on Vidyo)
strictly between 10h00-10h15. No latecomers will be added.**

Important videoconferencing netiquette:

Once the seminar commences, please mute your own microphone so that there is no feedback from your side into the virtual room. During the Q&A slot you can then unmute your microphone if you have a question to ask the speaker.

Title:

Hilbert's metric and its isometries

Presenter:

Prof Mark Roalands, School of Business Management, Faculty of Natural Science, North-West University, Potchefstroom, South Africa, 29024692@nwu.ac.za

Abstract:

In this talk we will introduce Hilbert's metric and show how we can use cones in order unit spaces to represent these Hilbert geometries. Then we will move on to discuss the corresponding isometries, the isometry group, and the interplay between Hilbert's metric and the theory of Jordan algebras.