



Technische Universität Wien  
Institut für Diskrete Mathematik und Geometrie

# Einladung

zu einem

**Vortrag**

von

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*Semi-indefinite-inner-product and generalized Minkowski spaces*

**Zeit:** Samstag, 28.2.2009, 11.30 Uhr

**Ort:** Dissertantenzimmer

Wiedner Hauptstraße 8-10, 8. Stock, Turm A (grün)

## Abstract:

In this talk we parallelly build up the theories of normed linear spaces and of linear spaces with indefinite metric, called also Minkowski spaces for finite dimensions in the literature. We collect the common properties of the semi- and indefinite-inner-products and define the semi-indefinite-inner-product and the corresponding structure, the semi-indefinite-inner-product space. We give a generalized concept of Minkowski space embedded in a semi-indefinite-inner-product space using the concept of a new product, that contains the classical cases as special ones.

H. Stachel