



Technische Universität Wien
Institut für Diskrete Mathematik und Geometrie

Einladung

zu einem

Vortrag

von

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Astronomisches Institut der Slowakischen Akademie der Wissenschaften
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The (Amazing) Architecture of Finite Projective Ring Lines

Zeit: Mittwoch, 12.03.2008, 14.15 Uhr

Ort: Zeichensaal 3

Wiedner Hauptstraße 8-10, 7. Stock, Turm A (grün)

Abstract:

Projective ring lines turned out to be a very important concept in unveiling the intricate geometrical nature of the structure of finite-dimensional Hilbert spaces. It was our working on these intriguing physical applications when we discovered novel, and rather unexpected, properties of the fine structure of the projective lines not so far discussed by either physicists or mathematicians. Hence, as the general theory does not exist yet, the purpose of the talk is simply to outline, in a rather illustrative way, the main findings and briefly address their possible applications.

H. Havlicek