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# *E I N L A D U N G*

im Rahmen des [Seminars in Geometric Analysis and Physics](#)  
([GAP Seminar](#))

zum Vortrag

von

Callum Sleigh

(Universität Wien)

über

*Introduction to tractor calculus  
and BGG complexes*

Abstract: Using the example of projective differential geometry, I will give an introduction to a collection of geometric tools known as "the tractor calculus" (following the etymology of 'vector', 'tensor', 'spinor', 'twistor' etc.) I will show how to use this calculus to construct complexes of invariant differential operators, and discuss applications. No knowledge beyond elementary Riemannian geometry will be required.

**Zeit:** Donnerstag, 16.04.2015, 11:00

**Ort:** Fakultät für Mathematik, Universität Wien

Oskar-Morgenstern-Platz 1, 2. Stock, Besprechungszimmer.

gez.: M. Bauer (Fak. Math, U.V.)

V. Branding (Fak. Math, T.U.)

D. Fajman (Fak. Phys, U.V.)

J. Joudioux (Fak. Phys, U.V.)