

On the Wodzicki residue on compact Lie groups and the paradigm of the global quantisation

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**February 23, 2022
16:00-17:00h **online via ZOOM**
Analysis & Geometry Seminar, Antwerpen**

In this seminar we present a global analysis that we have developed for the explicit computation of the Dixmier trace and the Wodzicki residue of pseudo-differential operators on compact Lie groups. Our approach follows the paradigm of global quantisation instead of using the analysis under changes of coordinates. This talk is based on the joint work with Michael Ruzhansky (Ghent University, Belgium) and Julio Delgado (Universidad del Valle, Colombia).