



CENTRO DE  
**MATEMÁTICA**  
UNIVERSIDADE DO PORTO

GEOMETRY AND TOPOLOGY SEMINAR

**Deligne-Mumford semi-compactification of Painlevé VI equation.**

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**Abstract.** In a work in progress with Gabriel Calsamiglia (UFF, Niteroi, Brasil) and Titouan Serandour (Univ Rennes/ENS Lyon) we investigate a partial compactification of the phase space of Painlevé VI equations by using Deligne-Mumford compactification of the moduli space of the 5-punctured sphere. Our motivation is to understand in a geometric way the asymptotics of Painlevé VI transcendents.

FRIDAY, MAY 26

15H30

ROOM: FC1.0.31