



Universitat de Barcelona
Departament d'Àlgebra i Geometria

SEMINARI DE GEOMETRIA ALGEBRAICA 2004-05

Divendres, dia 10 de Desembre
Aula B5. Facultat de Matemàtiques

15:00 *Nahm transform of Higgs bundles on the
Riemann sphere*

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Resum. We describe a correspondence between Higgs bundles on the Riemann sphere with some special types of singularities in a finite number of points, and similar objects, known as the Nahm transform. We give both an analytic and a holomorphic interpretation, and we explain the transform on the level of singularity data. Finally, if time permits, we state an involutivity property.