

## Talk-22

# Toric degenerations of Gelfand-Cetlin systems and potential functions

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### Abstract

The Gelfand-Cetlin system is a completely integrable system on a flag manifold of type A. We show that the Gelfand-Cetlin system can be deformed into a moment map of a torus action on a toric variety.

We also discuss an application to mirror symmetry.

This is based on a joint work with T. Nishinou and K. Ueda.