Hartmut Weiß (Christian-Albrechts-Universität zu Kiel)

On the modularity of gravitational instantons of type ALG

Abstract

I will report on recent progress towards the modularity conjecture of Phil Boalch in the case of gravitational instantons of type ALG. Slightly rephrased, it claims that all of them should be given by Hitchin moduli spaces. This is joint work with Laura Fredrickson, Rafe Mazzeo and Jan Swoboda.