

Exact beta function and glueball spectrum in large N Yang-Mills theory.

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In the pure large N Yang-Mills theory there is a quasi BPS sector that is exactly solvable at large N. It follows an exact large N beta function and the glueball spectrum in this sector. The main technical tool is localization of the loop equation for quasi BPS Wilson loops by homological deformations of the loop, somehow in analogy with Witten's cohomological localization by a coboundary deformation.

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