

Contribution Title: SUPERCONFORMAL INDICES FOR N=1 THEORIES
WITH MULTIPLE DUALS
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YRS seminar: NO

Recently some of elliptic hypergeometric integrals were interpreted as topological indices in N=1 supersymmetric field theories. Coincidence of superconformal indices in Seiberg dual theories corresponds to nontrivial identities for these integrals. Analysing such relations, from known dual field theories we conjecture many new relations for integrals, and from a number of known integral identities, we come to many new Seiberg dualities. The talk is based on the paper arXiv:0811.1909 [hep-th].