

Nonperturbative QFT: Methods and Applications



DESY THEORY WORKSHOP
24 - 27 September 2013
**Nonperturbative QFT:
Methods and Applications**
DESY Hamburg, Germany



Contribution ID: 6

Type: **not specified**

Connecting superconformal indices in various dimensions

Wednesday 25 September 2013 16:50 (20 minutes)

By reduction of a single letter index a natural connection is found between superconformal indices of even-dimensional supersymmetric theories. We find that the superconformal index of the 4d $N=2, 4$ theory reduces to the superconformal index of the $N=(2,2), (4,4)$ theory in the certain limit of the superconformal fugacities. The proposed reduction procedure could also help to extract information about the four-dimensional index from the six-dimensional index, we discuss some examples related to this relationship.

Primary author: Mr GAHRAMANOV, Ilmar (Humboldt-University Berlin)

Presenter: Mr GAHRAMANOV, Ilmar (Humboldt-University Berlin)

Session Classification: Parallel Session 3: Strings & Mathematical Physics

Track Classification: Strings & Mathematical Physics