

6 = 2+4 : What can we learn about 4D field theory from 2D Conformal Field Theory : Revenge of W-algebra and Toda Field Theories

Wednesday 22 February 2012 10:40 (40 minutes)

Recent development in 4 Dimensional Quantum Field Theories have revealed that some of 2 Dimensional CFT techniques which have been developed last 20 some years are relevant, especially through the works of AGT. Instanton sector calculation (very difficult) can easily be done by 2D Conformal Field theory calculations. I wil review this connection and introduce some of my earlier works (more than 20 years old) which might be relevnat to these exciting developments.

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Session Classification: Plenary - string