

Asymptotics of Kronecker coefficients for large Young diagrams of fixed height

Nicolai Reshetikhin

A Kronecker coefficient represents the multiplicity of an irreducible representation associated with a given Young diagram in the tensor product of two irreducible representations. Thus, a Kronecker coefficient depends on three Young diagrams. The talk will demonstrate how to calculate the asymptotic behavior of these coefficients in the limit where the diagrams grow indefinitely at the same rate while the height of each diagram remains fixed.

Nicolai Reshetikhin
Yau Mathematical Sciences Center, Jingzhai, Tsinghua University),
100084, Tsinghua University, Haidian District, Beijing
Beijing, China

University of California at Berkeley
Department of mathematics, University of California, Berkeley, CA 94720-3840, USA ,
CA 94720-3840, USA

e-mail: ymsc@tsinghua.edu.cn
reshetik@math.berkeley.edu