

Meeting: 1000, Albuquerque, New Mexico, SS 14A, Special Session on Braids and Knots

1000-20-90 **Eric C Rowell*** (errowell@indiana.edu), Mathematics Department, Indiana University,
Bloomington, IN 47405, and **Michael Larsen** and **Zhenghan Wang**. *The Three-Eigenvalue
Problem and Applications to the Braid Group*. Preliminary report.

In *Comm. Math. Phys.* **228** 177-199, Freedman, Larsen and Wang solve the two-eigenvalue problem and describe the closures of the images of the braid group under Jones-Wenzl representations. I will discuss current research in which we consider the three-eigenvalue problem and applications to representations of the braid group via BMW-algebras and quantum groups at roots of unity. (Received August 18, 2004)