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**Anh T. Tran\*** ([att140830@utdallas.edu](mailto:att140830@utdallas.edu)), Department of Mathematical Sciences, University of Texas at Dallas, 800 W Campbell Rd, FO 35, Richardson, TX 75080. *Some conjectures about the colored Jones polynomial.*

I will discuss some important conjectures about the colored Jones polynomial. These include the volume conjecture, the AJ conjecture and the slope conjecture. This talk is partly based on joint works with Thang T.Q. Le and with Effie Kalfagianni. (Received January 03, 2015)