Meeting: 1007, Santa Barbara, California, SS 6A, Special Session on Geometric Methods in Three Dimensions

1007-57-96 **Eric B. Chesebro*** (chesebro@math.utexas.edu), Department of Mathematics, RLM 8.100, The University of Texas at Austin, Austin, TX 78712. *All roots of unity are detected by the A-polynomial.*

For an arbitrary positive integer n, we construct infinitely many one cusped hyperbolic 3-manifolds whose $\mathrm{SL}(2,C)$ character varieties have ideal points for which the associated roots of unity are n^{th} roots. (Received February 08, 2005)