1150-14-495 **Nathan Fieldsteel** and **Patricia Klein*** (pklein@uky.edu). *Gröbner bases and the Cohen-Macaulay property of Li's double determinantal varieties.*

We consider double determinantal varieties, a special case of Nakajima quiver varieties. Li Li conjectured that double determinantal varieties are normal irreducible Cohen-Macaulay varieties whose defining ideals have a Gröbner basis given by their natural generators. We use liaison theory to prove this conjecture. (Received July 15, 2019)