1037-14-140   **Cornelia Yuen*** (`yuenco@potsdam.edu`), Department of Mathematics, SUNY Potsdam, 44 Pierrepont Ave., Potsdam, NY 13676. *Jet Schemes of Determinantal Varieties.*

This will be an introductory talk on jet schemes of determinantal varieties. We start with a brief introduction to jet schemes in general and some of their properties, and then discuss the scheme structure of jet schemes of determinantal varieties. We show that, in general, these jet schemes are not irreducible. (Received January 30, 2008)

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