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Cornelia Oichi Yuen* (oyuen@umich.edu), Department of Mathematics, East Hall, 530 Church Street, Ann Arbor, MI 48109. *Jet schemes of monomial schemes*. Preliminary report.

We will first give a brief introduction of the geometric objects called jet schemes. We will then investigate the structure of these schemes of the schemes defined by monomials, through some examples and explicit calculations. (Received September 23, 2005)