1035-16-1791   **Daniel Chan** and **Rajesh S Kulkarni*** (`kulkarni@math.msu.edu`), Dept. of Mathematics, Wells Hall, Michigan State University, East Lansing, MI 48823. *Elliptically fibred orders on surfaces.* Preliminary report.

We will discuss a new construction of maximal orders on surfaces. The idea is to use finite covers of surfaces and then apply descent on endomorphisms of vector bundles on the top surface. This construction yields previously unknown examples of maximal orders on surfaces. (Received September 20, 2007)