

1106-05-1753

**Sergey Fomin** and **Pavlo Pylyavskyy\*** (pylyavskyy@gmail.com). *Webs on surfaces, rings of invariants, and clusters.*

We construct and study cluster algebra structures in rings of invariants of the special linear group action on collections of three-dimensional vectors, covectors, and matrices. The construction uses Kuperberg's calculus of webs on marked surfaces with boundary. (Received September 15, 2014)