1023-17-935 **Harm Derksen*** (`hderksen@umich.edu`), 530 Church St, Ann Arbor, MI 48103. *Black Box Algebras.*

I will discuss a formal setup, called (for a lack of a better name) black box algebras. These algebras allow us to systematically study problems in classical invariant theory, decompositions of tensor products of adjoint representations of semisimple groups, and superalgebra analogs of these. Schrijver's generalization of the first fundamental theorems in invariant theory will fit in this setup. (Received September 23, 2006)