1151-20-307　　　　　**Angela Kraft*** (`akraft@math.arizona.edu`). *Constructing Basic Algebras.* Preliminary report.
To study representations of a group algebra FG, it is often advantageous to study a different algebra whose module category is equivalent to the module category of FG. This algebra is known as the basic algebra and is generally much smaller than FG. In the case where G is a finite simple group, K. Lux has developed algorithmic methods for computing the basic algebra of FG. We will discuss basic algebras and how to extend the computational methods of K. Lux to the case where G is a central extension of a finite simple group. (Received August 21, 2019)