

1090-05-408

Kathleen Nowak and **Sung Y Song*** (sysong@iastate.edu), Department of Mathematics, Iowa State University, Ames, IA 50011-2064. *Small class association schemes obtained from cyclotomic classes*. Preliminary report.

We revisit the classical construction of small class association schemes using cyclotomic classes and Gaussian periods. We discuss some interesting properties of these schemes and their fusion and fission. (Received March 05, 2013)