998-05-85 **Gloria Aguilar-Cruz*** (`gaguilar@math.cinvestav.mx`), Departamento de Matematicas, Av. Instituto Politecnico Nacional #2508, Col. San Pedro Zacatenco, 07300 Mexico, D.F., Mexico, and **Feliu D. Sagols** (`fsagols@math.cinvestav.mx`), Departamento de Matematicas, Av. Instituto Politecnico Nacional #2508, Col. San Pedro Zacatenco, 07300 Mexico, D.F., Mexico. *Triangulations and a Generalization of Bose's Method.* Preliminary report.

We introduce a nontrivial extension to Bose's method for the construction of Steiner Triple Systems, generalizing the traditional use of commutative and idempotent quasigroups to employ a new algebraic structure called a 3-tri-algebra. We present some new advances in the study of 3-tri algebras and their links with Desing Theory. (Received February 11, 2004)