

1050-05-97

Jianmin Ma* (jianmin.ma@emory.edu), Oxford College of Emory University, Oxford, GA 30054.

Nonexistence of Certain Amorphous Association Schemes. Preliminary report.

An association scheme is said to be skew symmetric if it has no non-diagonal symmetric relations. In this talk, we will show that there is no amorphous skew symmetric association scheme of class at least 4. Then we will examine the parameters of three-class and four-class nonsymmetric schemes of Latin square type. (Received February 28, 2009)