1001-22-294   **David Goldberg*** (`goldberg@math.purdue.edu`), Department of Mathematics, 150 N. University Street, W. Lafayette, IN 47907. *Tempered spectrum for special unitary groups.*

We describe reducibility of parabolically induced from discrete series representarions of the group SU_n over a p-adic field of characteristic zero. We approach this problem by examining the classification of R-groups for groups $G_1 \subset G_2$ sharing the same derived group. We describe the elliptic tempered spectrum, and note some interesting phenomena displayed by such representations. (Received August 30, 2004)