



International conference on
MODULES AND REPRESENTATION THEORY
Cluj-Napoca, July 7 – 12, 2008



A characteristic subgroup for fusion systems at the even prime

Radu Stancu

University of Copenhagen
[stancu@math.ku.dk]

As a counterpart for the prime 2 to Glauberman's ZJ-Theorem, Stellmacher proved that any non-trivial 2-group S has a nontrivial characteristic subgroup $W(S)$ with the following property: For any finite Sym_4 -free group G , with S a Sylow 2-subgroup of G , satisfying a couple of technical conditions, one has that $W(S)$ is normal in G . This talk's aim is to present joint work with Silvia Onofrei, giving an analogous result for fusion systems.