Results on Dade's Conjecture

as of March 2001

1. SPORADIC SIMPLE GROUPS

M_{11}	final	Dade [D1]
M_{12} (+coverings, outerauto.)	final	Dade
M_{22} (+coverings, outerauto.)	final	Huang [H]
M_{23}, M_{24}	final	Schwartz, An, Conder [AC]
J_1	final	Dade [D1]
J_2 (+coverings, outerauto.)	final	Dade
J_3 (+coverings, outerauto.)	final	Kotlica [K]
McL (+coverings)	final	Murray [M], Entz, Pahlings [EP]
Ru	final	Dade, An, O'Brien [AO3]
He	final	An [A5]
HS	final	Hassan, Horváth [HH1]
Co_2	final	An, O'Brien [AO1]
Co_3	final	An [A6]
Suz	final	Himstedt [Hi]
$O'Nan$	final	Uno, Yoshiara [UY]
Fi_{23}	final	An, O'Brien [AO2]
Fi_{22}	invar.	An, O'Brien [AO4]
sporadic, abelian defect principal block	ord.	Rouquier [Rq]

2. FINITE CHEVALLEY GROUPS

$GL_n(q)$	ord., $p\|q$	Olsson, Uno [OU1]
$GU_n(q)$	ord., $p\|q$	Ku [Ku]
$GL_n(q)$, $GU_n(q)$	invar., $p \nmid q$	An [A10]
$Sp_{2n}(q)$, $SO_m^{\pm}(q)$	ord., $p \nmid q$, p, q odd	An [A11]
$L_2(q)$	final	Dade [D5]
$L_3(q)$	final, $p\|q$	Dade
$L_n(q)$	ord., $p\|q$	Sukizaki [S]
$Sz(2^{2n+1})$	final	Dade [D5]
$G_2(q)$	final, $p \nmid q$ $q \neq 3, 4$	An [A1]+
$^2G_2(3^{2n+1})$	final	$p \neq 3$ An [A2], $p = 3$ Eaton [E1]
$^2F_4(2^{2n+1})$	ord., $p \neq 2$	An [A3]
$^2F_4(2)'$ (+ outerauto.)	final	An [A4]

3. SYMMETRIC AND ALTERNATING GROUPS

A_n, abelian defect	ord.	Fong, Harris [FH2]
S_n	ord.	$p \neq 2$ Olsson, Uno [OU2], $p = 2$ An [A8]

4. GENERAL RESULTS

cyclic defect group case	final	Dade [D4] +
tame block case	invar.	Uno [U]
abel. defect unipotent blocks	ord.	Broué, Malle, Michel [BMM]
abel. defect principal blocks	ord., $p = 2$	Fong, Harris [FH1]
abel. defect, some cases	ord.	Puig, Usami [PUn] [Usn]
p-solvable	proj.	Robinson [Rb1]
$O_p(G)$ cyclic, $G/O_p(G)$ T.I.p-Sylow	proj.	Eaton [E2]

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