

No.	System Description	Dims.	6-Way	4-Way	2-Way
6	Cepstral + $\Delta$	14	56.6%	32.6%	23.8%
7	Cepstral + $E_f$ + $\Delta$	16	43.7%	30.1%	21.2%
8	Cepstral + $E_t$ + $\Delta$	16	42.8%	31.6%	22.4%
9	Cepstral + $E_d$ + $\Delta$	16	51.6%	30.4%	22.0%
10	Cepstral + $E_f$ + $E_d$ + $\Delta$	18	35.4%	25.8%	16.8%
11	Cepstral + $\Delta$ + $\Delta\Delta$	21	53.1%	30.4%	21.8%
12	Cepstral + $E_f$ + $\Delta$ + $\Delta\Delta$	24	39.6%	27.4%	19.2%
13	Cepstral + $E_t$ + $\Delta$ + $\Delta\Delta$	24	39.8%	29.6%	21.1%
14	Cepstral + $E_d$ + $\Delta$ + $\Delta\Delta$	24	52.5%	30.1%	22.6%
15	Cepstral + $E_f$ + $E_d$ + $\Delta$ + $\Delta\Delta$	27	35.5%	25.9%	17.2%
16	(15) but no $\Delta\Delta$ for $E_d$	26	35.0%	25.0%	16.6%

Table 4. The impact of differential features on performance is shown. For the overall best systems (nos. 10 and 15), second derivatives do not help significantly. Differential energy and derivatives appear to capture similar information.