

Computation resource	Region length	E-step			M-step				Total
		Optimize γ	Optimize δ	Update ELBO	Optimize μ_0	Optimize M_0	Optimize M	Update ELBO	time (s)
single processor	100	617.7 (63%)	4.232	10.42	0.264	0.159	332.8 (34%)	10.29	976.0
	200	1124 (65%)	8.936	18.64	0.418	0.256	570.0 (33%)	18.37	1741
	300	1728 (65%)	13.27	27.81	0.445	0.400	851.5 (32%)	27.65	2649
	400	2433 (66%)	17.99	38.55	0.737	0.635	1176 (32%)	38.17	3705
60 processors	100	29.93 (41%)	0.2470	11.67	0.3070	0.1890	19.56 (26%)	11.98	73.89
	200	44.69 (40%)	0.4170	22.14	0.5230	0.3040	24.04 (21%)	22.24	114.3
	300	63.47 (40%)	0.7160	33.31	0.5620	0.5040	29.41 (18%)	33.24	161.2
	400	94.66 (43%)	0.7270	42.78	0.8200	0.7060	40.04 (18%)	44.28	219.7