Table 6.1 Proportions used to calculate various body segment parameters*

Segment	*P***	K_{cg}†	R_{prox}‡	R_{dist}‡
Hand	0.006	0.297	0.506	0.494
Forearm	0.016	0.303	0.430	0.570
Forearm and hand	0.022	0.468	0.682	0.318
Arm	0.028	0.322	0.436	0.564
Upper extremity	0.050	0.368	0.530	0.470
Foot	0.0145	0.475	0.500	0.500
Leg	0.0465	0.302	0.433	0.567
Leg and foot	0.061	0.416	0.606	0.394
Thigh	0.100	0.323	0.433	0.567
Lower extremity	0.161	0.326	0.447	0.553
Head and neck	0.081	0.495	1.000	0.000
Trunk	0.497	0.500	0.500	0.500
Trunk, head and neck	0.578	0.503	0.660	0.370

* values were taken from Winter, D.A. *Biomechanics and Motor Control of Human Movement*, Second edition, Toronto: John Wiley & Sons, 1990.

** segment mass as proportion of total body mass

† segment radius of gyration about segment centre of gravity as proportion of segment's length

‡ location of centre of gravity from proximal or distal ends of segment as proportion of segment's length