

Table2. Summary of principle component analysis of 3D foot segment angles. PC1 to PC4 represent the principle components extracted from each waveform. Only the parts of waveform that contributed to explain the variance in each component are shown

Segment	Principle component							
	PC1		PC2		PC3		PC4	
	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle	% Variance explained	% of gait cycle
Shank-calcaneus: sagittal plane	33.94	7 to 25	25.51	45 to 55	21.99	93 to 1	16.19	63 to 65
Shank-calcaneus: frontal plane	48.91	3 to 51	46.57	55 to 97	-	-	-	-
Shank-calcaneus: transverse plane	53.01	99 to 55	43.78	61 to 89	-	-	-	-
Calcaneus-midfoot: sagittal plane	96.56	0 to 100	-	-	-	-	-	-
Calcaneus-midfoot: frontal plane	97.39	0 to 100	-	-	-	-	-	-
Calcaneus-midfoot: transverse plane	99.31	0 to 100	-	-	-	-	-	-
Midfoot-metatarsal: sagittal plane	49.68	7 to 53	48.45	57 to 1	-	-	-	-
Midfoot-metatarsal: frontal plane	96.97	0 to 100	-	-	-	-	-	-
Midfoot-metatarsal: transverse plane	98.76	0 to 100	-	-	-	-	-	-