$F_f(N)$	$W_{total}(J/m)$	$W_j(J)$	$W_f(J)$	L_s(m)
0	31.567	14.363	0	0.455
11.44	23.563	10.707	2.30	0.552

TABLE I

WORK DONE BY THE JOINTS AND THE FOOT PER DISTANCE TRAVELLED. F_f, L_s ARE THE FOOT FORCE AND STEP LENGTH, W_{total} IS TOTAL WORK

PER DISTANCE TRAVELLED, W_j, AND W_f ARE WORK BY JOINTS AND WORK BY FOOT, RESPECTIVELY, WHEN THE WALKING SPEED IS 0.95 M/S.

Speed (m/s)	With Foot Force					Without Foot Force				
	Cost (J/m)	δ_z $-$	$V_{zero}(\theta^-)$ $(kgm^2/s)^2$	V_{zero}^{max} $(kgm^2/s)^2$	Step Length (m)	Cost (J/m)	δ_z $-$	$V_{zero}(\theta^-)$ $(kgm^2/s)^2$	V_{zero}^{max} $(kgm^2/s)^2$	Step Length (m)
0.95	23.563	0.92	-126.21	415.07	0.552	31.567	0.85	-202.92	255.66	0.455

TABLE II

OPTIMIZATION RESULTS WITH CONSTRAINED WALKING SPEED.