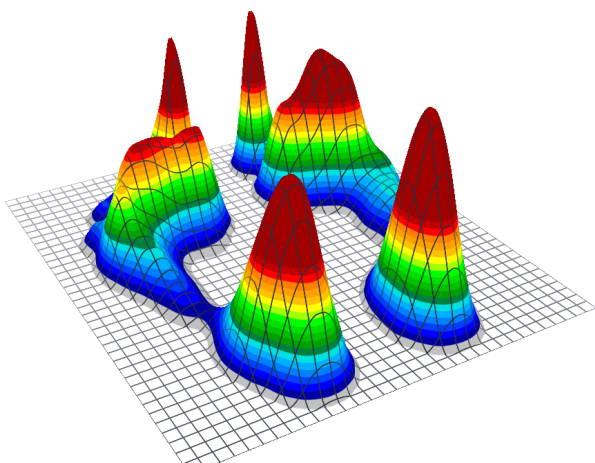


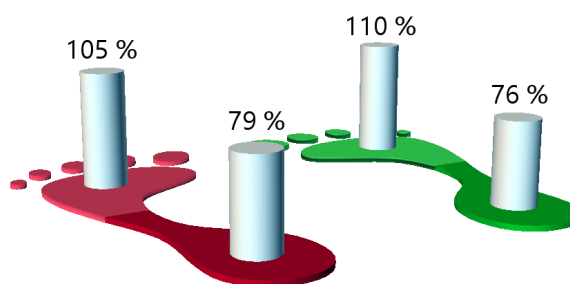
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

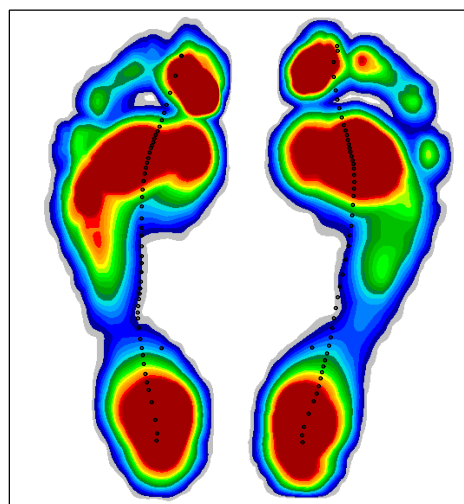
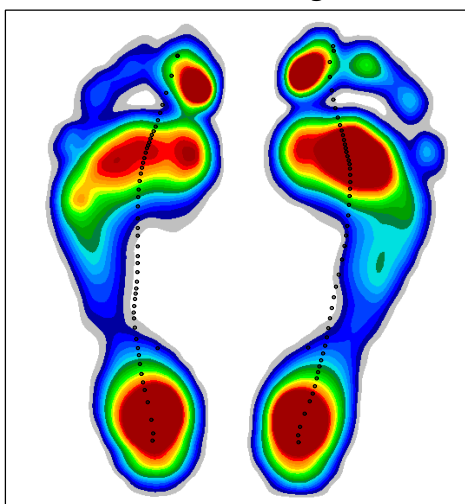
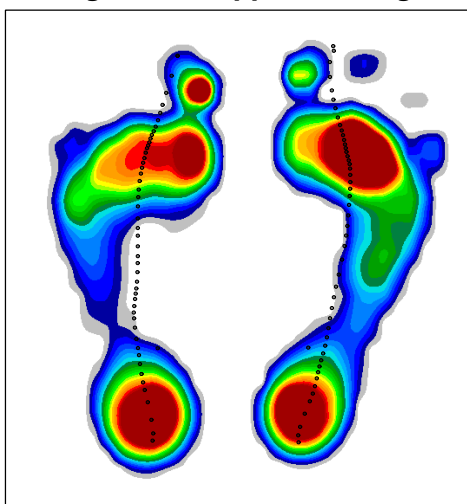


Pressure plots

Single limb support, average

Stance, average

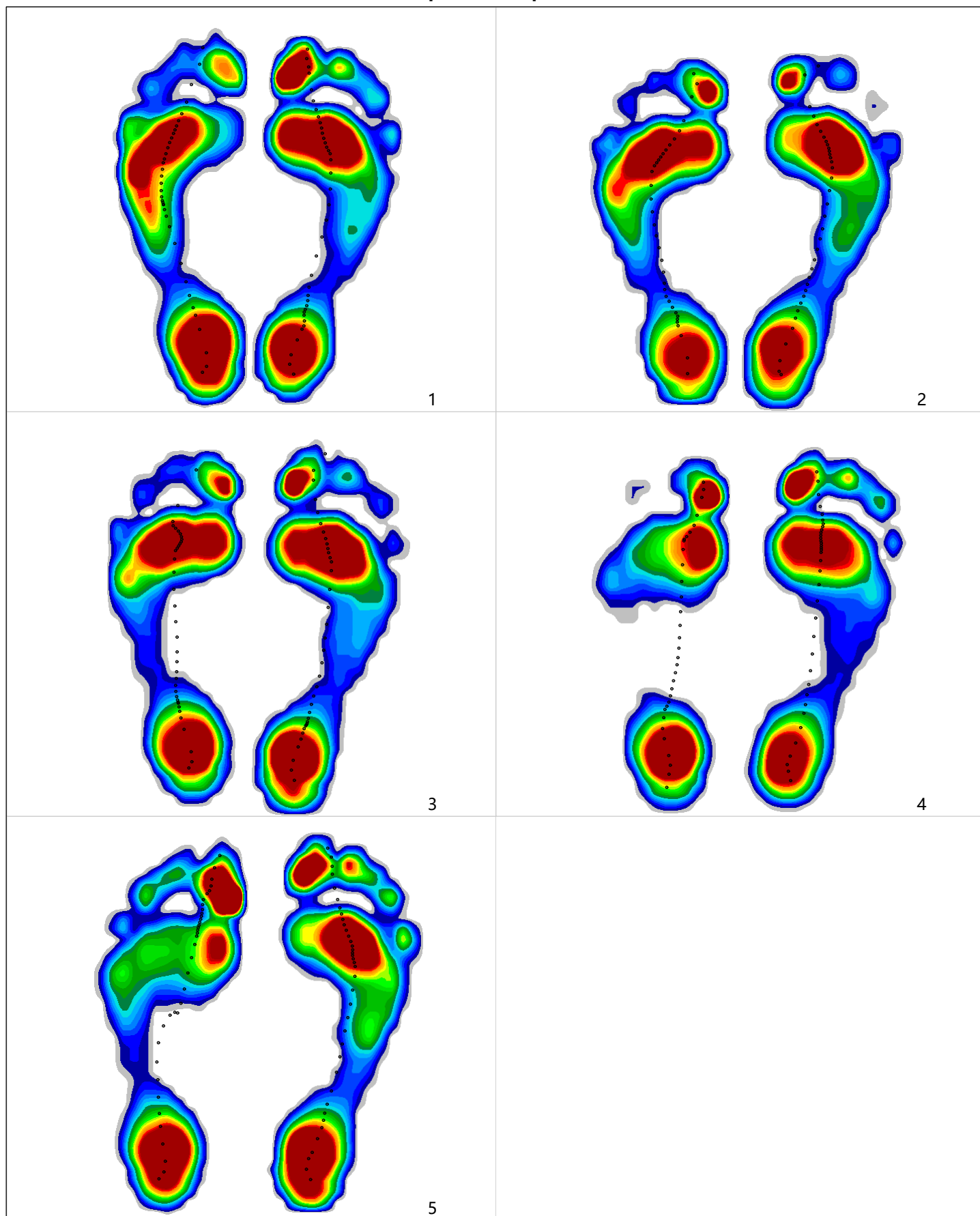
Stance, maximum



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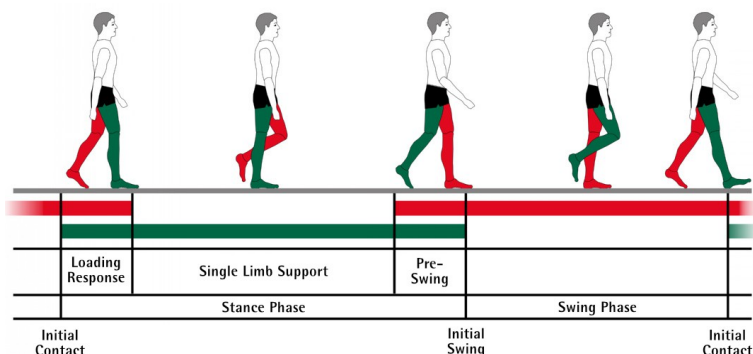
Separate footprints



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Gait parameters



Geometry

Foot rotation, degree	L	$3,5 \pm 1,3$	-12°		12°
	R	$10,2 \pm 1,1$			
Step length, cm	L	58 ± 8			120 cm
	R	47 ± 8			
Stride length, cm		105 ± 0			120 cm
Step width, cm		11 ± 3			

Phases

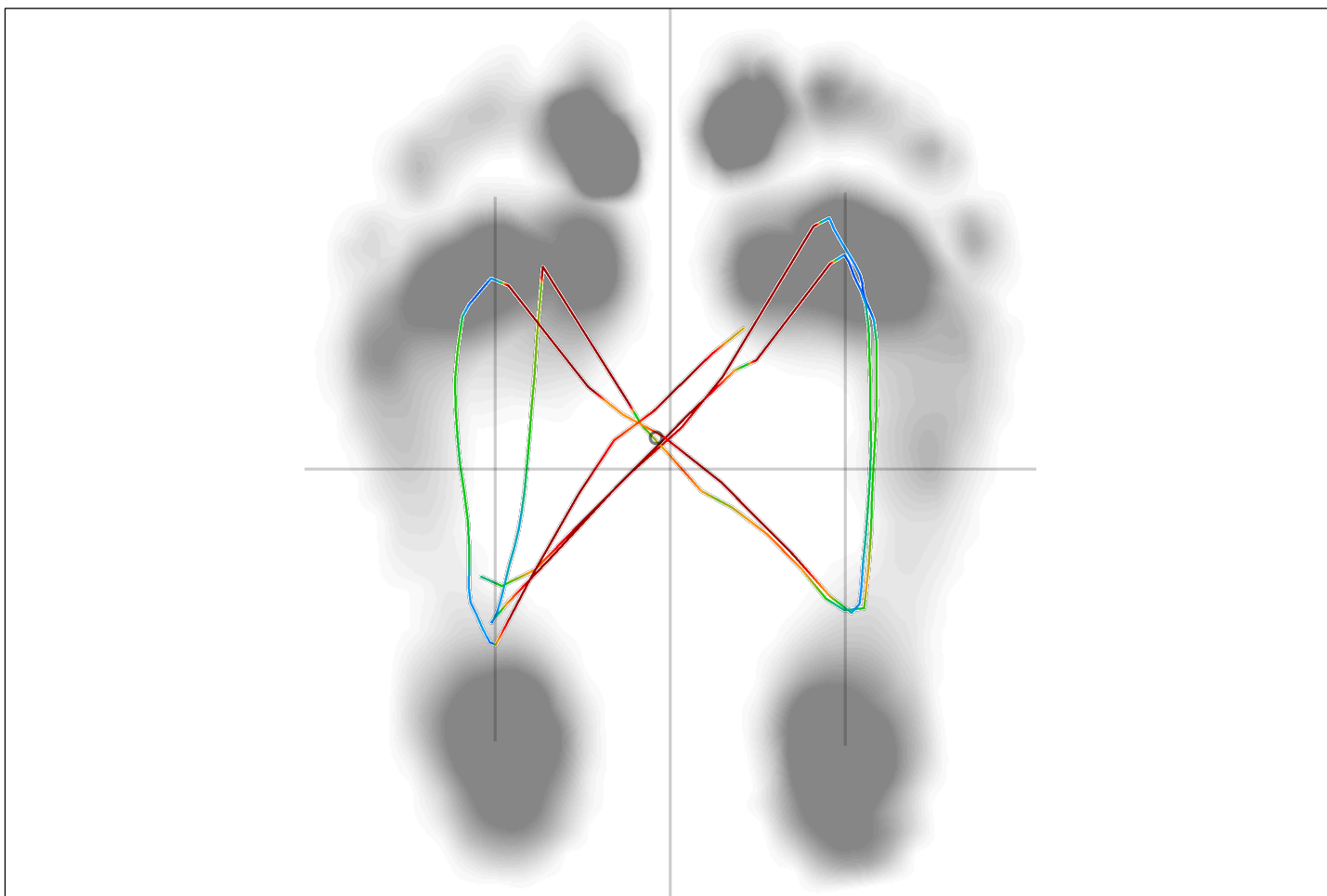
Stance phase, %	L	$62,4 \pm 1,3$			100 %
	R	$67,4 \pm 1,9$			
Load response, %	L	$13,8 \pm 1,0$			
	R	$15,4$			
Single limb support, %	L	$33,0 \pm 3,4$			
	R	$38,5$			
Pre-Swing, %	L	$15,6 \pm 1,1$			
	R	$13,7 \pm 1,7$			
Swing phase, %	L	$37,6 \pm 1,3$			
	R	$32,6 \pm 1,9$			
Double stance phase, %		$29,8 \pm 1,8$			

Timing

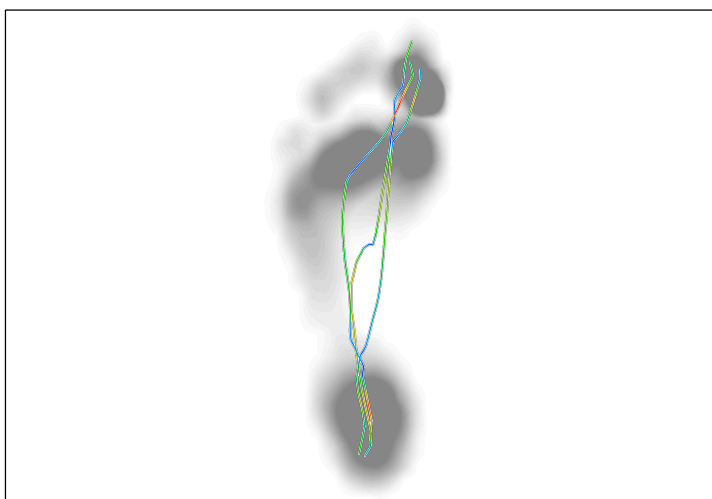
Step time, sec	L	$0,58 \pm 0,02$			1.2 sec
	R	$0,51 \pm 0,03$			
Stride time, sec		$1,09 \pm 0,01$			1.2 sec
Cadence, steps/min		110 ± 4			120 steps/min
Velocity, km/h		$3,5 \pm 0,3$			4 km/h

COP analysis

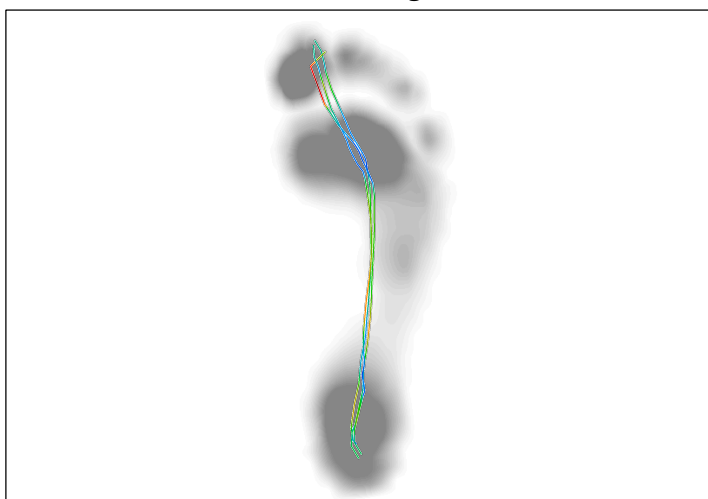
Butterfly



Gait line left



Gait line right

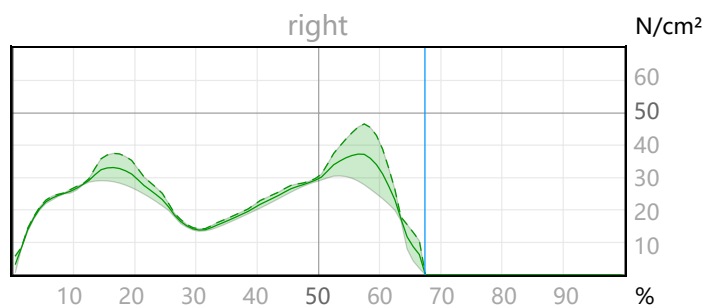
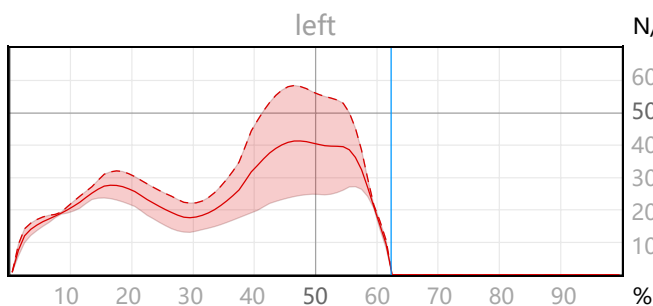


Butterfly parameters

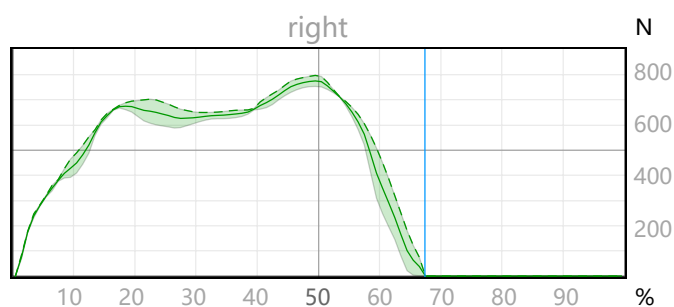
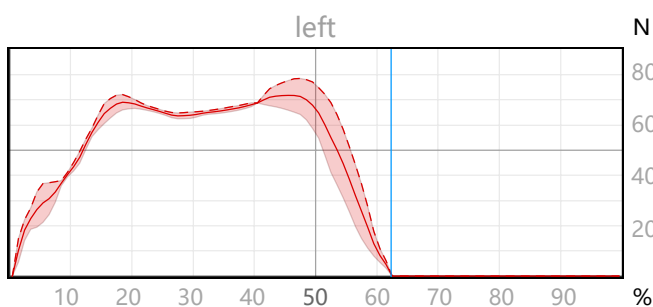
Length of gait line, mm	L	240,8±7,8		300 mm
	R	250,3±7,5		
Single limb support line, mm	L	122,8±1,4		
	R	119,1		
Ant/post position, mm		10,7±3,1		-150 mm to 150 mm
Lateral symmetry, mm		-4,8±3,6		-21 mm to 21 mm
Max gait line velocity, cm/sec		124,9		

Force and pressure

Pressure curves



Force curves



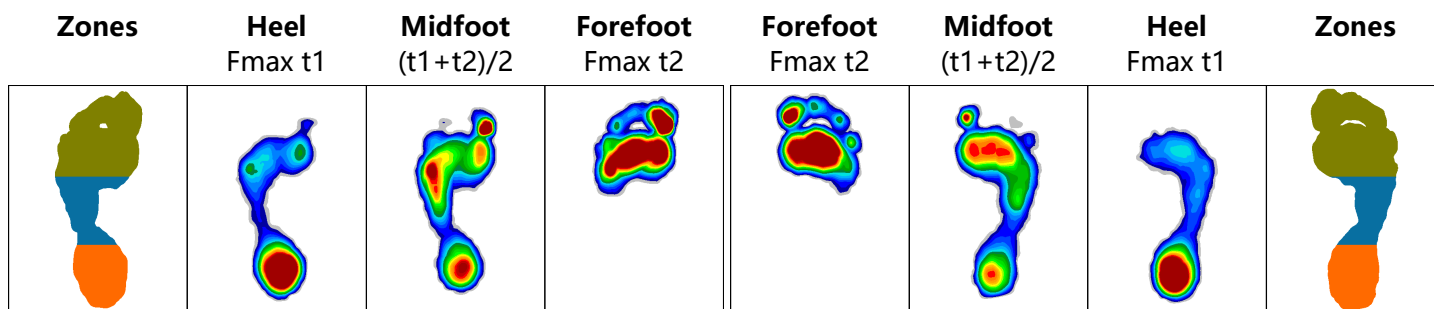
Force parameters

Maximum force1, N	L	690,3	<div style="width: 76.6%;"></div>	900 N
	R	674,4	<div style="width: 74.9%;"></div>	
Time maximum force1, %	L	18	<div style="width: 18%;"></div>	100%
	R	18	<div style="width: 18%;"></div>	
Maximum force2, N	L	717,4	<div style="width: 79.7%;"></div>	900 N
	R	774,8	<div style="width: 86.1%;"></div>	
Time maximum force2, %	L	45	<div style="width: 45%;"></div>	100%
	R	49	<div style="width: 49%;"></div>	

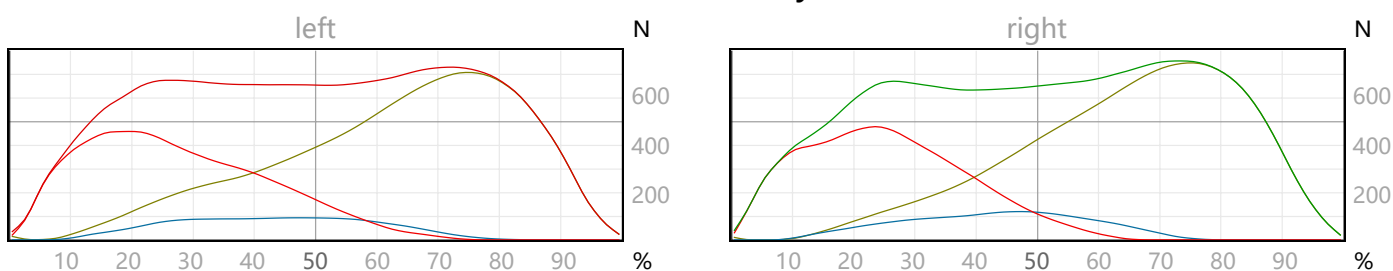
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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,26±0,07	800 N	0.4 sec
	R	0,28±0,05		
Time change heel to forefoot, %	L	36,3±10,0	100%	
	R	37,6±6,2		

Maximum force, N

Forefoot	L	716,7±40,6	800 N
	R	754,1±29,2	
Midfoot	L	114,0±70,8	
	R	131,3±32,6	
Heel	L	528,2±45,3	
	R	493,1±48,9	

Maximum pressure, N/cm²

Forefoot	L	43,9±20,7	90 N/cm ²
	R	42,7±7,9	
Midfoot	L	11,5±5,4	
	R	8,6±2,0	
Heel	L	30,7±4,0	
	R	36,0±4,2	

Time maximum force, % of stance time

Forefoot	L	72,1±2,3	100%
	R	71,9±1,5	
Midfoot	L	38,3±13,1	
	R	43,7±7,0	
Heel	L	19,2±6,1	
	R	21,1±2,7	






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Contact time, % of stance time

Forefoot	L	89,9±2,2	 100%
	R	89,2±0,3	
Midfoot	L	70,9±6,9	
	R	67,0±3,3	
Heel	L	58,9±6,7	
	R	54,1±6,1	