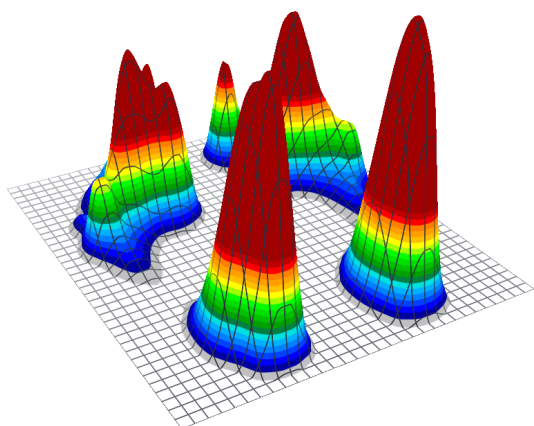


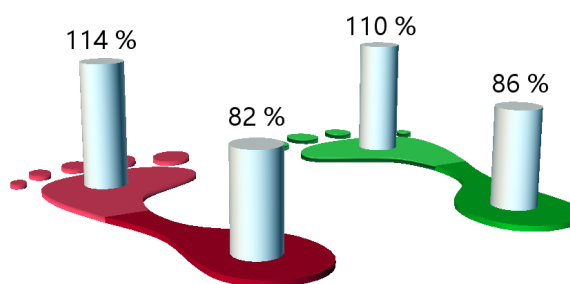
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

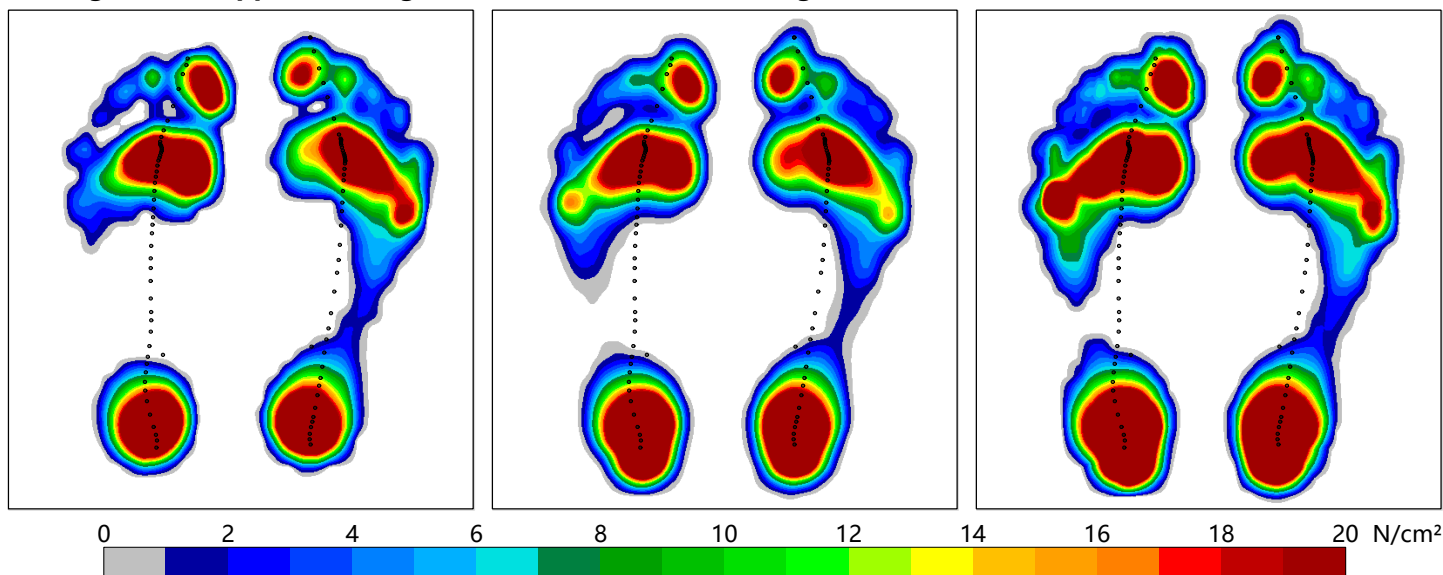


Pressure plots

Single limb support, average

Stance, average

Stance, maximum



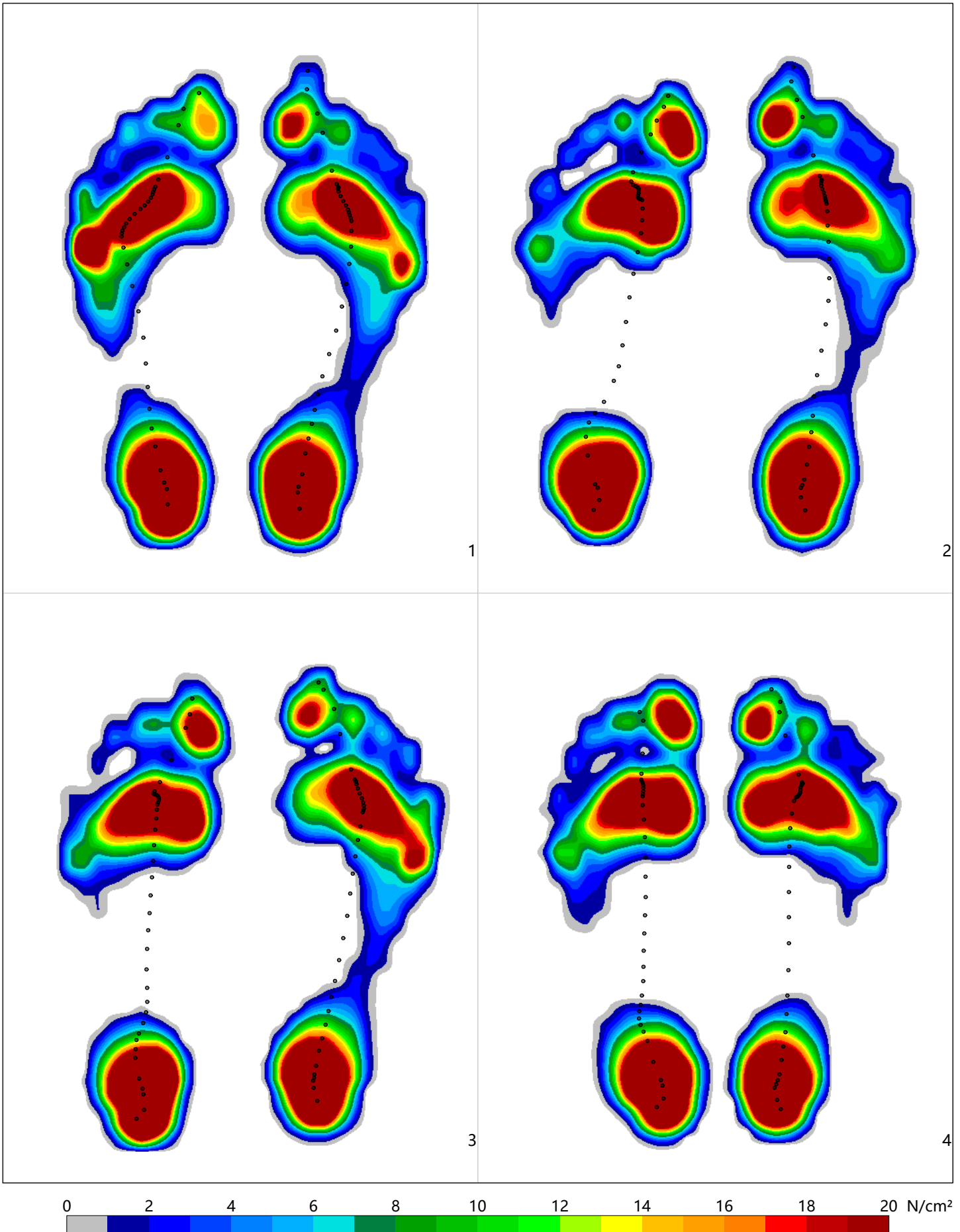
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Separate footprints

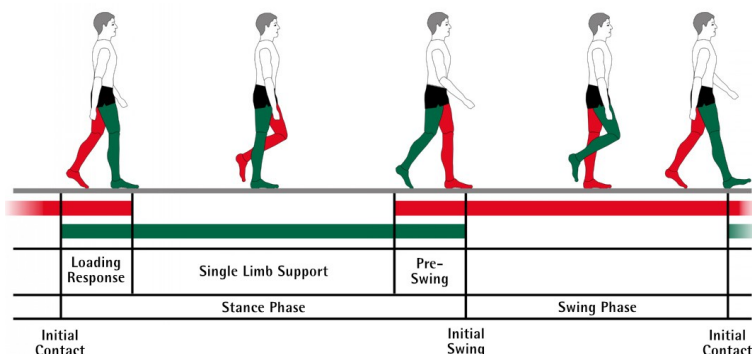


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Gait parameters



Geometry

Foot rotation, degree	L	$-0,8 \pm 3,3$	-9°		9°
	R	8,0			
Step length, cm	L	77			160 cm
	R	74			
Stride length, cm		151			160 cm
Step width, cm		8 ± 3			

Phases

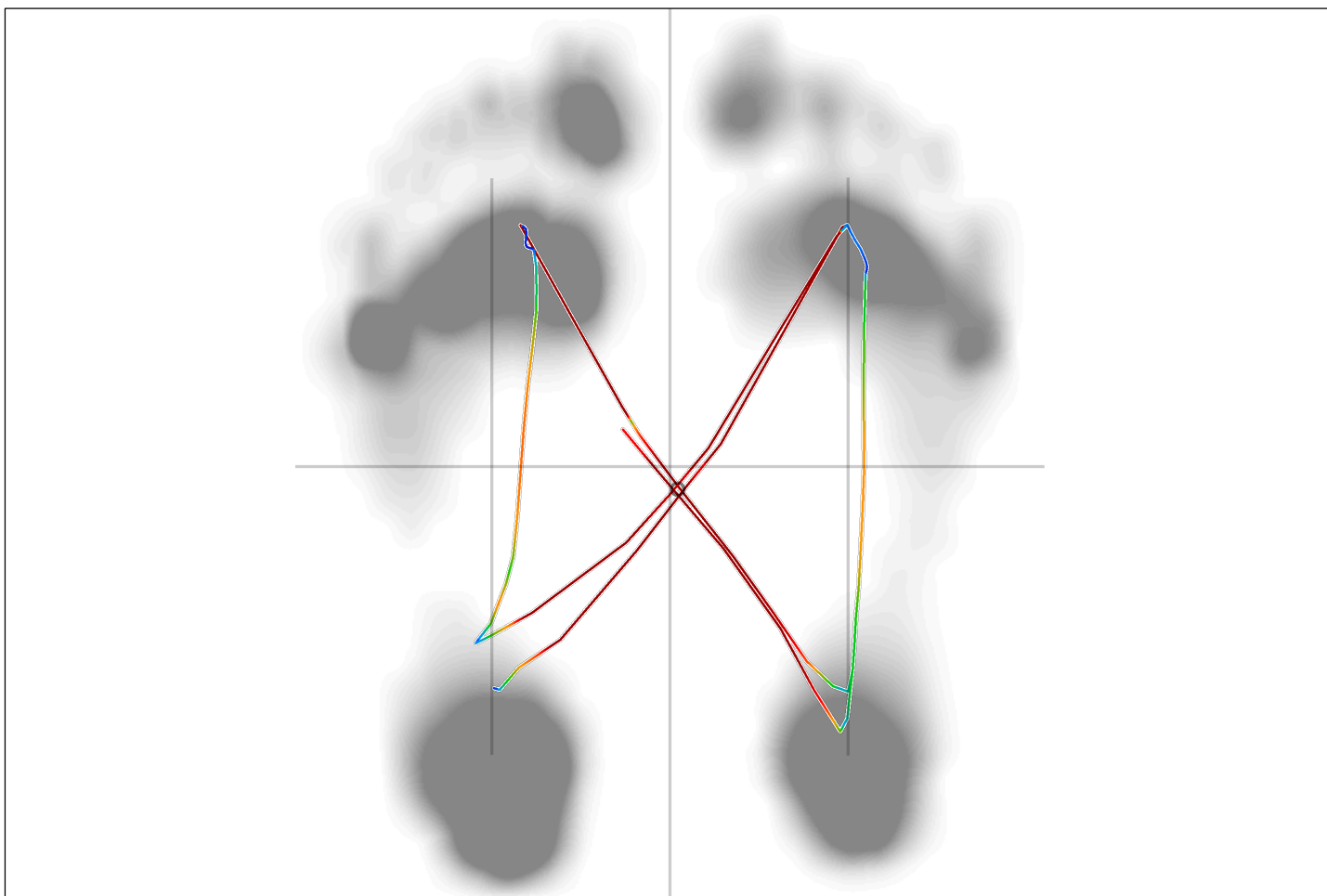
Stance phase, %	L	$62,0 \pm 2,4$		100 %
	R	62,7		
Load response, %	L	13,6		
	R	10,2		
Single limb support, %	L	37,3		
	R	39,0		
Pre-Swing, %	L	$12,0 \pm 1,5$		
	R	13,6		
Swing phase, %	L	$38,0 \pm 2,4$		
	R	37,3		
Double stance phase, %		$25,4 \pm 1,7$		

Timing

Step time, sec	L	0,58		1.3 sec
	R	0,60		
Stride time, sec		1,18		1.3 sec
Cadence, steps/min		103 ± 2		110 steps/min
Velocity, km/h		$4,7 \pm 0,1$		5 km/h

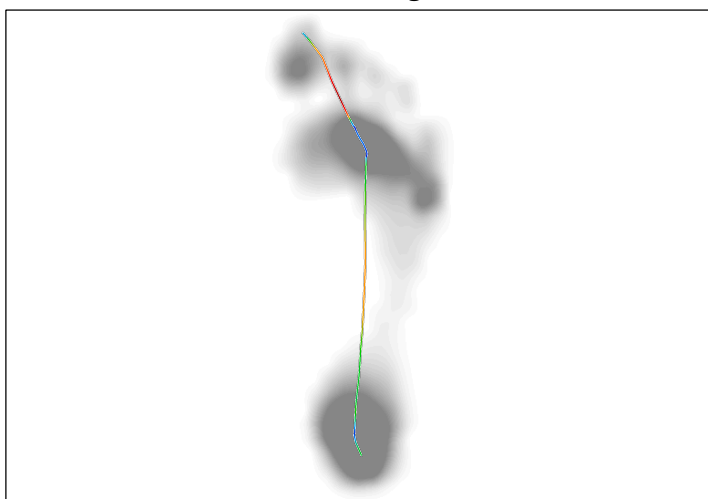
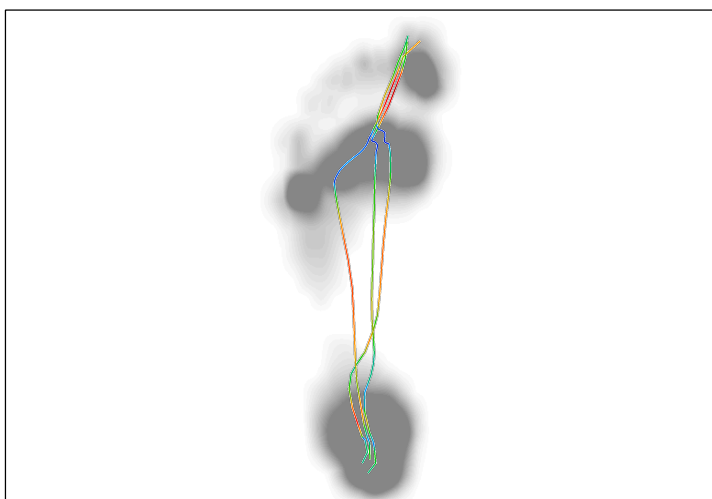
COP analysis

Butterfly



Gait line left

Gait line right

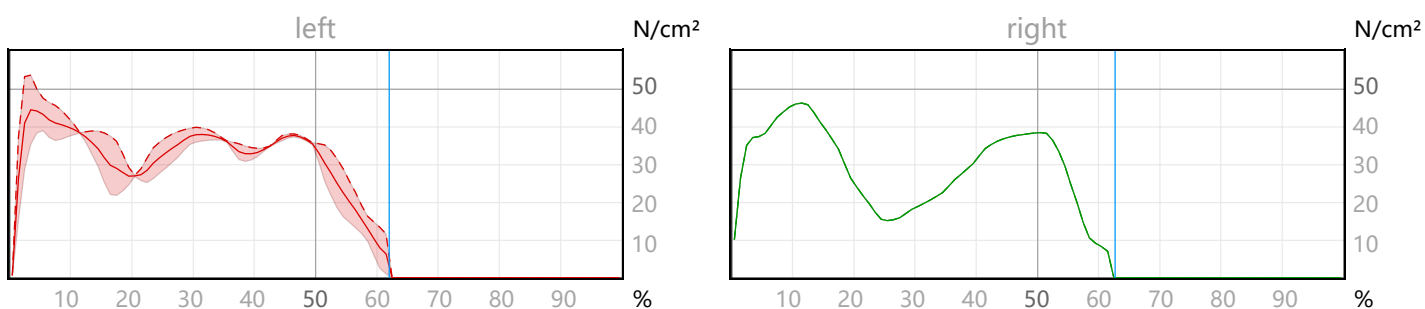


Butterfly parameters

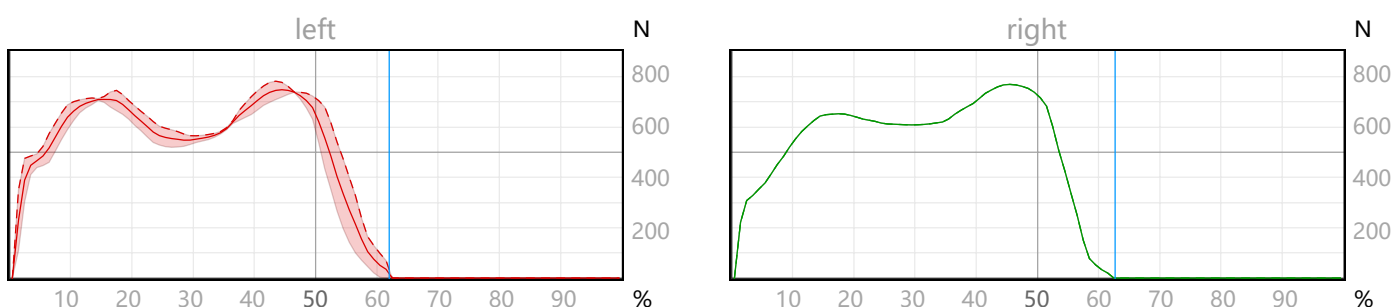
Length of gait line, mm	L	246,5±2,2	<div style="width: 82%; background-color: red;"></div>	300 mm
	R	248,4±0,0	<div style="width: 83%; background-color: green;"></div>	
Single limb support line, mm	L	129,0	<div style="width: 43%; background-color: red;"></div>	
	R	159,7	<div style="width: 53%; background-color: green;"></div>	
Ant/post position, mm		-7,3±0,9	<div style="width: 5%; background-color: blue;"></div>	-150 mm 150 mm
Lateral symmetry, mm		2,5±1,2	<div style="width: 10%; background-color: blue;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		110,2	<div style="width: 100%; background-color: blue;"></div>	

Force and pressure

Pressure curves



Force curves



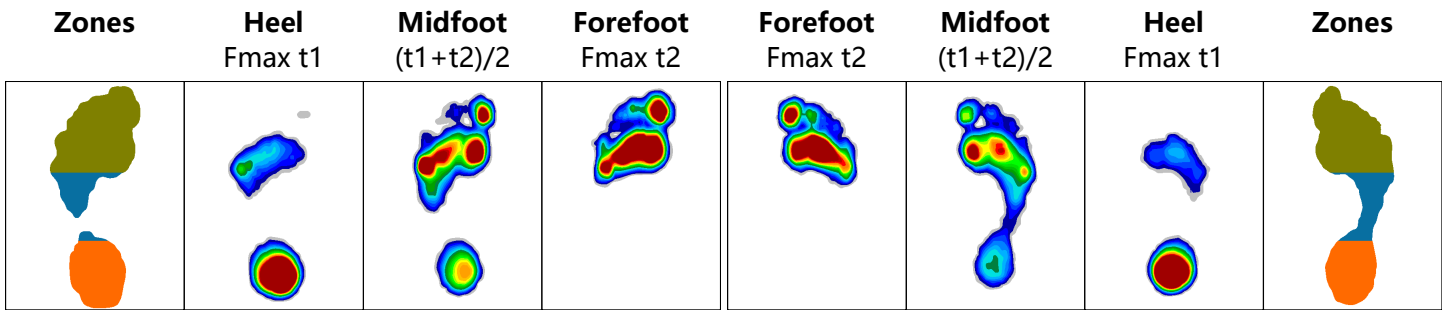
Force parameters

Maximum force1, N	L	709,3	<div style="width: 78%;"></div>	900 N
	R	652,5	<div style="width: 73%;"></div>	
Time maximum force1, %	L	15	<div style="width: 15%;"></div>	100%
	R	17	<div style="width: 17%;"></div>	
Maximum force2, N	L	747,9	<div style="width: 83%;"></div>	900 N
	R	769,0	<div style="width: 85%;"></div>	
Time maximum force2, %	L	44	<div style="width: 44%;"></div>	100%
	R	45	<div style="width: 45%;"></div>	

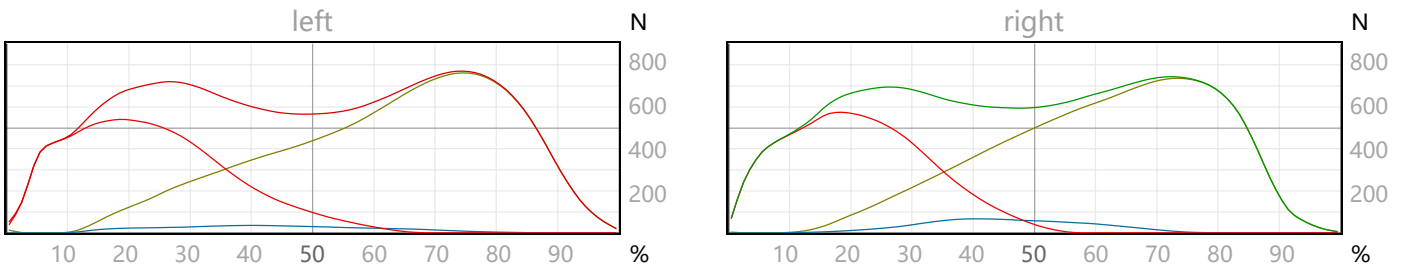
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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	R	0.4 sec
	0,24±0,05	0,24±0,02	
Time change heel to forefoot, %	L	R	100%
	33,7±6,5	32,8±2,5	

Maximum force, N

Zone	L	R	900 N
Forefoot	767,6±19,7	738,0±22,8	
Midfoot	46,8±32,5	70,3±38,5	
Heel	558,7±22,7	582,7±30,2	

Maximum pressure, N/cm²

Zone	L	R	70 N/cm²
Forefoot	36,5±2,6	36,1±1,7	
Midfoot	11,0±4,7	11,6±6,3	
Heel	50,6±8,5	51,9±4,2	

Time maximum force, % of stance time

Zone	L	R	100%
Forefoot	72,4±1,6	69,8±0,7	
Midfoot	34,4±18,9	37,0±5,8	
Heel	16,4±3,3	17,1±2,0	






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Contact time, % of stance time

Forefoot	L	86,9±0,9		100%
	R	85,7±2,0		
Midfoot	L	68,5±8,1		
	R	64,5±4,4		
Heel	L	53,6±8,7		
	R	50,6±3,0	