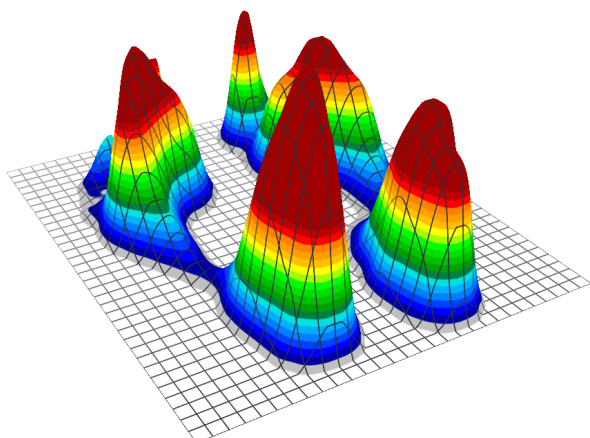


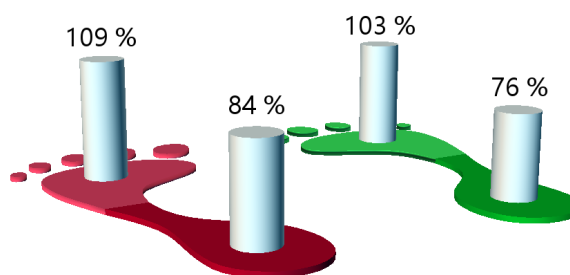
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

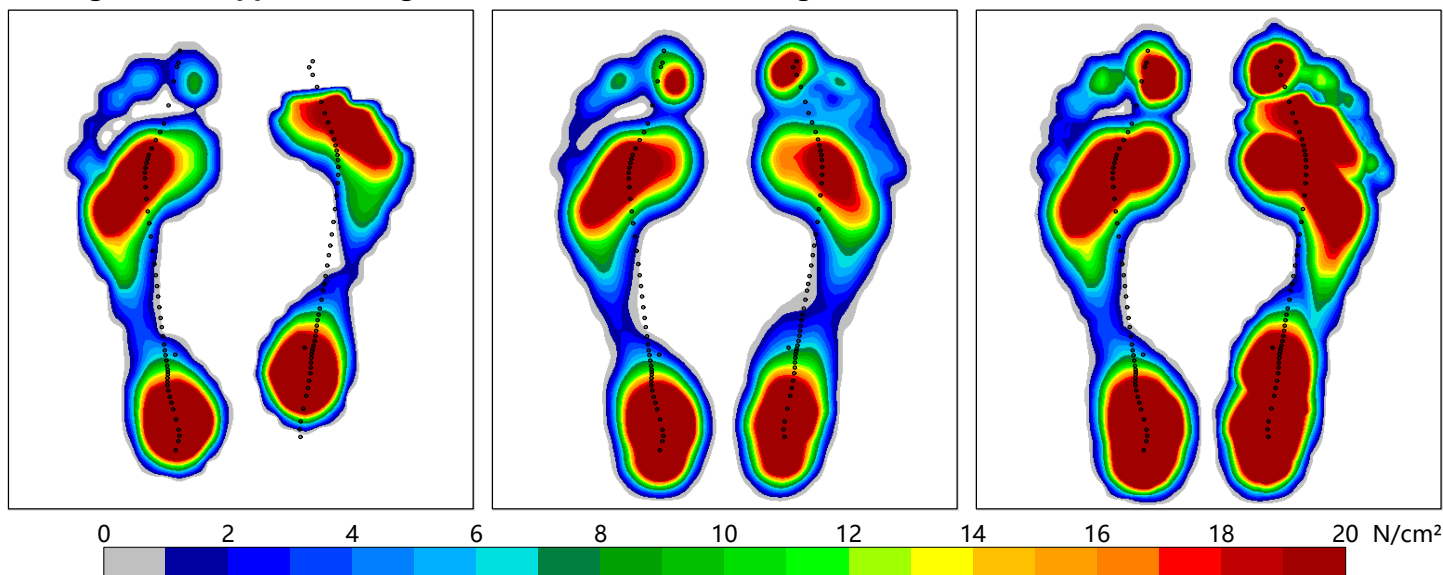


Pressure plots

Single limb support, average

Stance, average

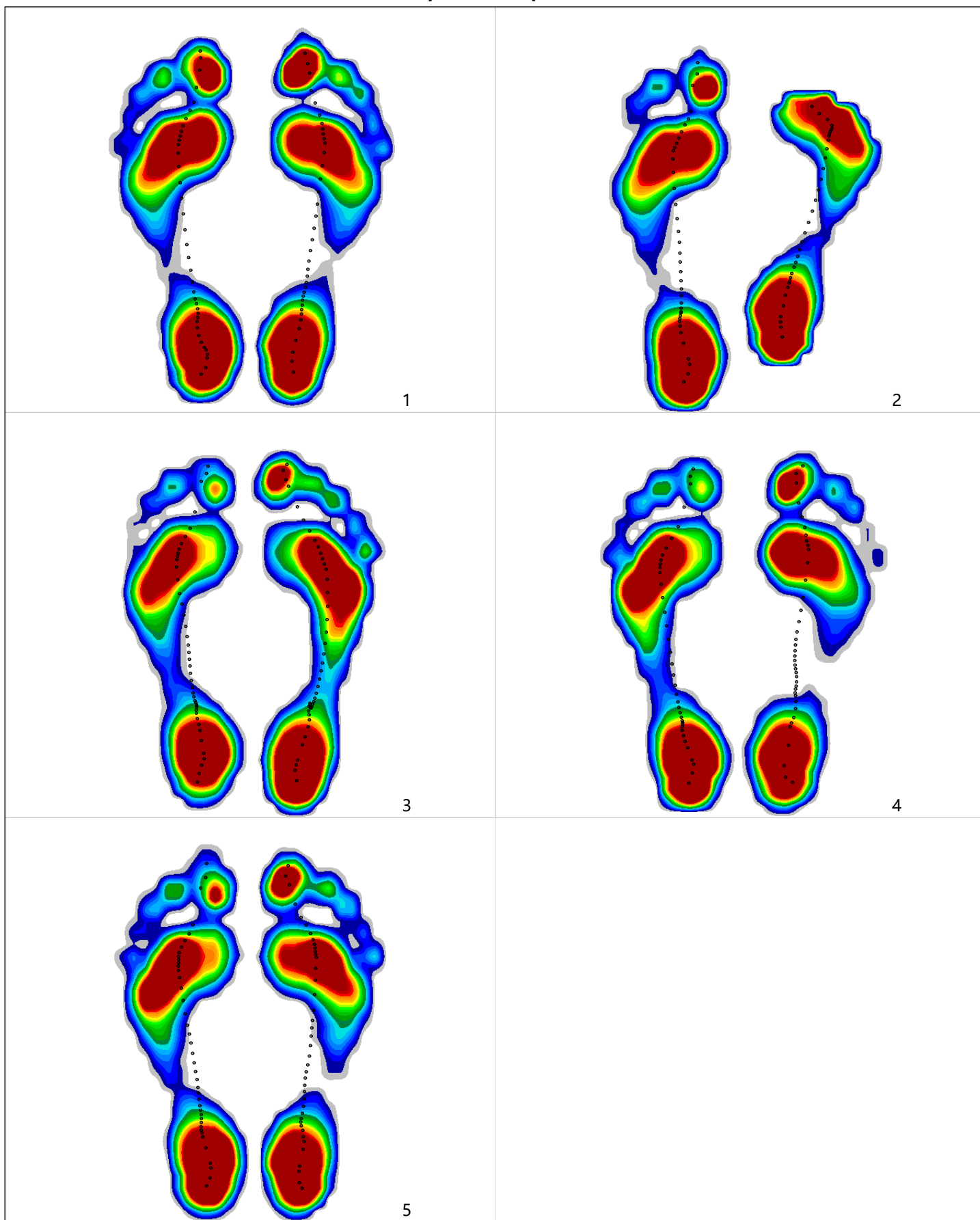
Stance, maximum



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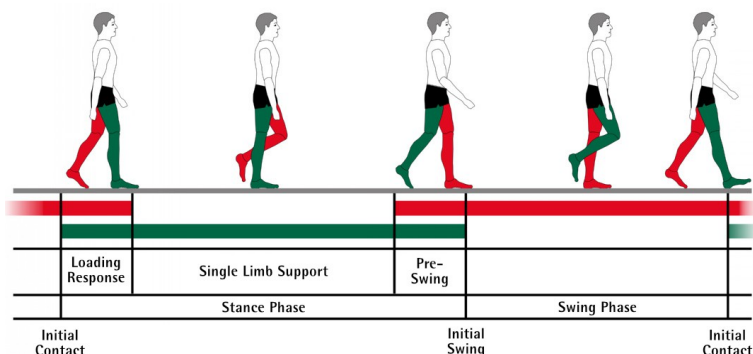
Separate footprints



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Gait parameters



Geometry

Foot rotation, degree	L	7,2±0,4	-16°	16°
	R	14,9		
Step length, cm	L	65		140 cm
	R	64		
Stride length, cm		129		140 cm
Step width, cm		7±3		

Phases

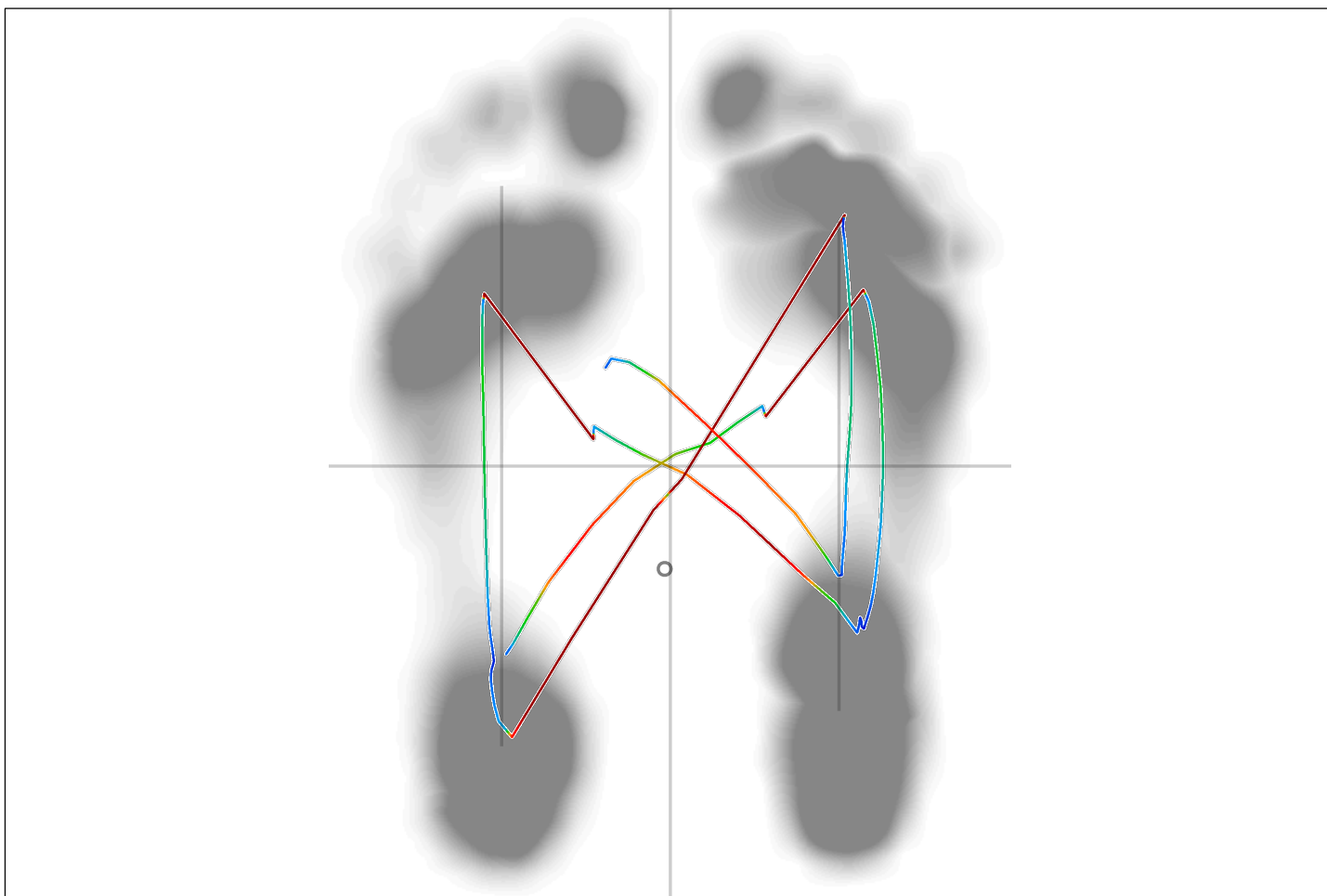
Stance phase, %	L	63,2±1,3	100 %
	R	59,3	
Load response, %	L	7,9	
	R	15,3	
Single limb support, %	L	38,1	
	R	35,6	
Pre-Swing, %	L	15,6±0,3	
	R	8,5	
Swing phase, %	L	36,8±1,3	
	R	40,7	
Double stance phase, %		23,8±0,0	

Timing

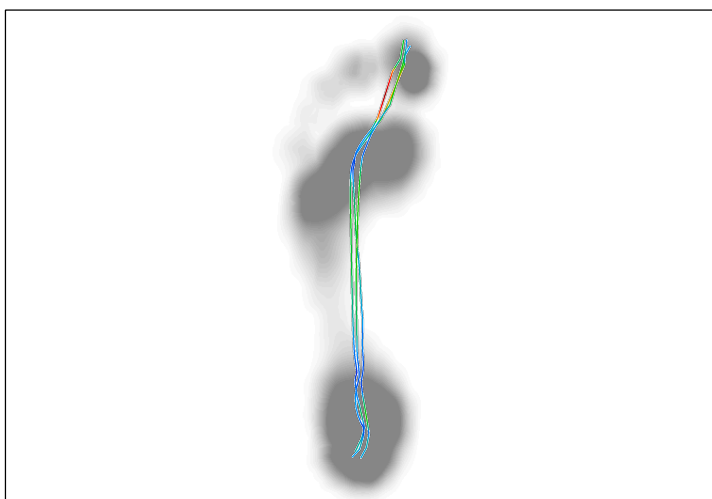
Step time, sec	L	0,60	1.3 sec
	R	0,58	
Stride time, sec		1,18	1.3 sec
Cadence, steps/min		100±3	110 steps/min
Velocity, km/h		3,9±0,3	5 km/h

COP analysis

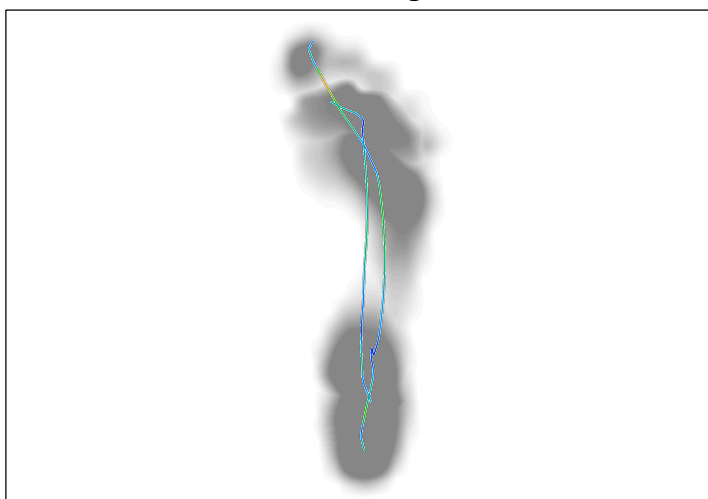
Butterfly



Gait line left



Gait line right

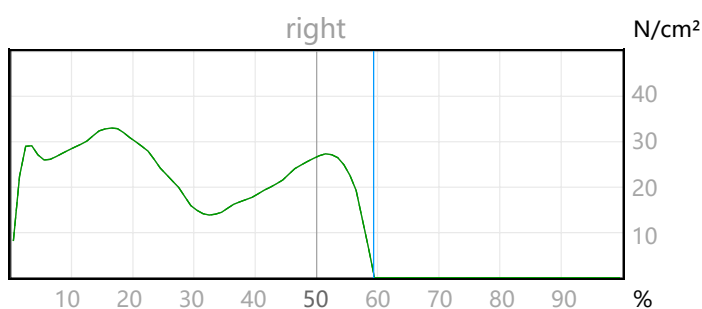
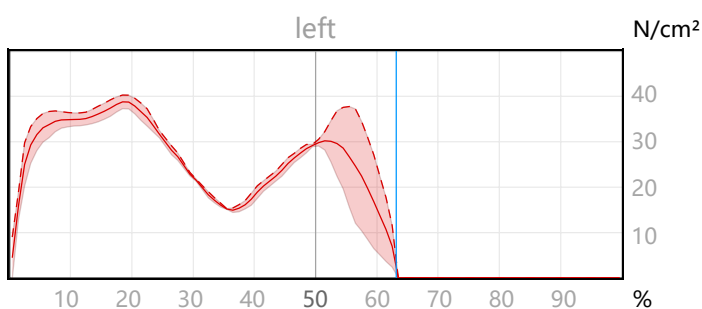


Butterfly parameters

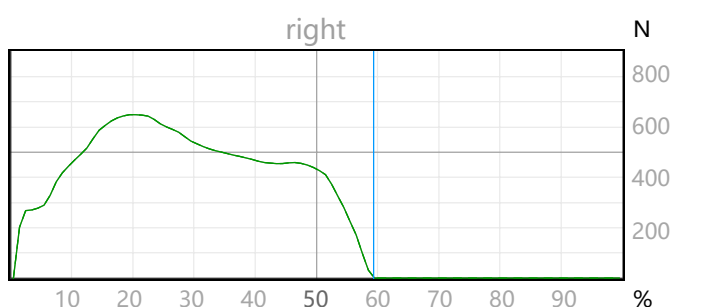
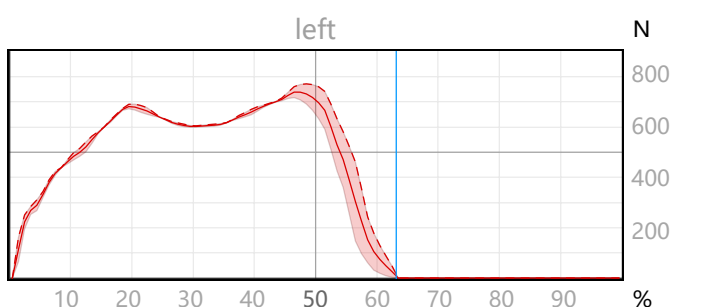
Length of gait line, mm	L	235,0±3,0		250 mm
	R	200,9±31,5		
Single limb support line, mm	L	134,0		
	R	112,8		
Ant/post position, mm		-32,3±27,6		-125 mm to 125 mm
Lateral symmetry, mm		-1,8±44,9		-50 mm to 50 mm
Max gait line velocity, cm/sec		88,8		

Force and pressure

Pressure curves



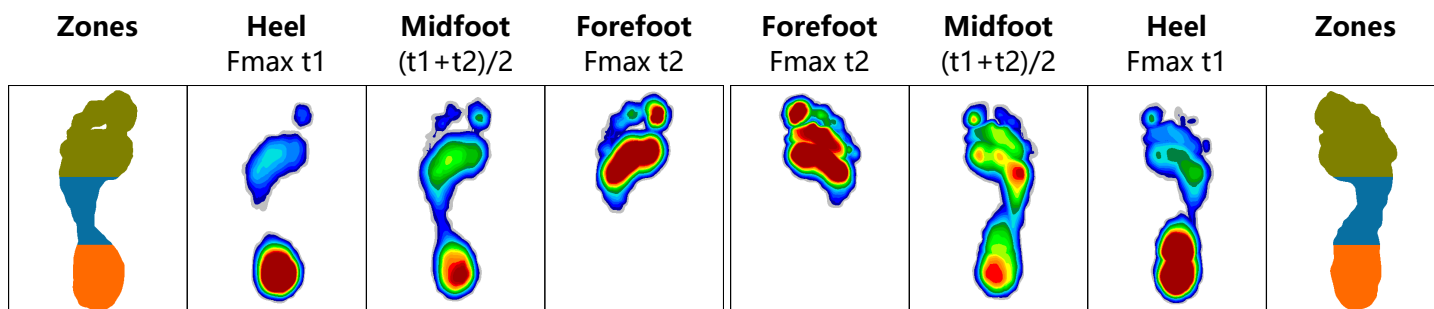
Force curves



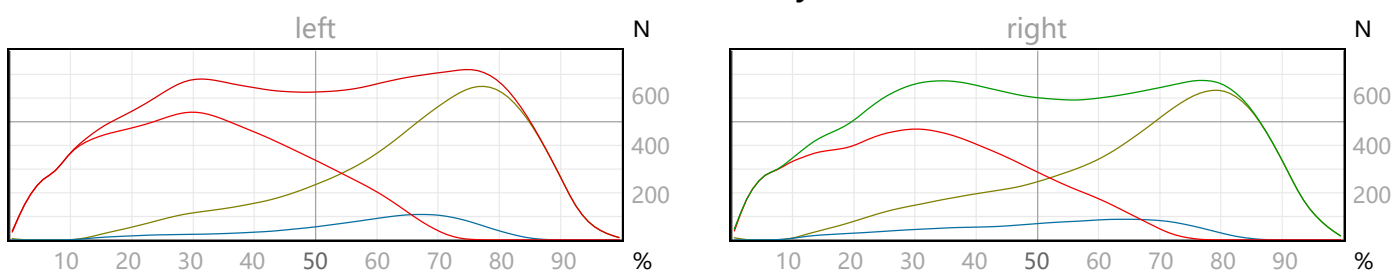
Force parameters

Maximum force1, N	L	681,0	<div style="width: 75%;"></div>	900 N
	R	648,8	<div style="width: 72%;"></div>	
Time maximum force1, %	L	19	<div style="width: 19%;"></div>	100%
	R	19	<div style="width: 19%;"></div>	
Maximum force2, N	L	738,4	<div style="width: 82%;"></div>	900 N
	R	458,7	<div style="width: 51%;"></div>	
Time maximum force2, %	L	46	<div style="width: 46%;"></div>	100%
	R	46	<div style="width: 46%;"></div>	

Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,41±0,03		0.5 sec
	R	0,39±0,06		
Time change heel to forefoot, %	L	52,0±1,6		100%
	R	49,8±3,1		

Maximum force, N

Forefoot	L	654,9±50,6		800 N
	R	637,0±91,5		
Midfoot	L	110,8±25,1		
	R	97,1±52,6		
Heel	L	545,5±21,4		
	R	473,3±11,1		

Maximum pressure, N/cm²

Forefoot	L	32,0±4,8		50 N/cm ²
	R	35,5±6,7		
Midfoot	L	18,9±3,7		
	R	17,9±6,0		
Heel	L	39,2±3,1		
	R	33,0±2,4		

Time maximum force, % of stance time

Forefoot	L	74,4±0,7		100%
	R	77,2±0,9		
Midfoot	L	64,2±2,4		
	R	60,5±9,1		
Heel	L	27,1±2,2		
	R	27,4±2,0		






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Contact time, % of stance time

Forefoot	L	85,8±2,5	 100%
	R	88,3±1,4	
Midfoot	L	72,8±1,9	
	R	75,7±1,8	
Heel	L	68,8±1,8	
	R	69,6±3,0	