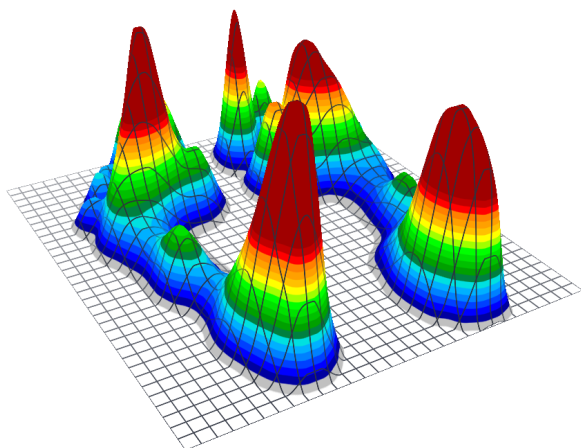


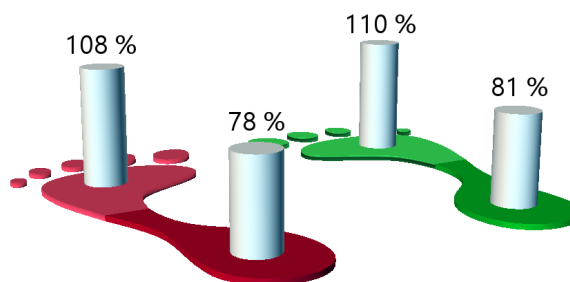
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

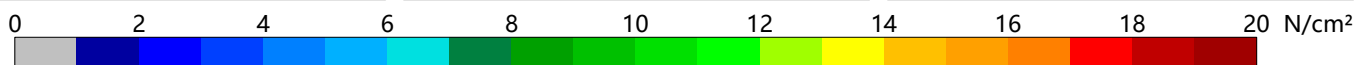
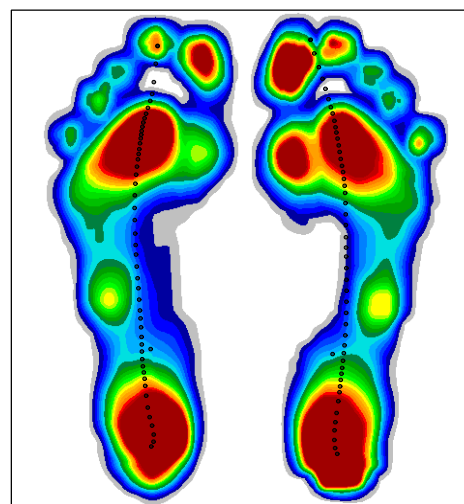
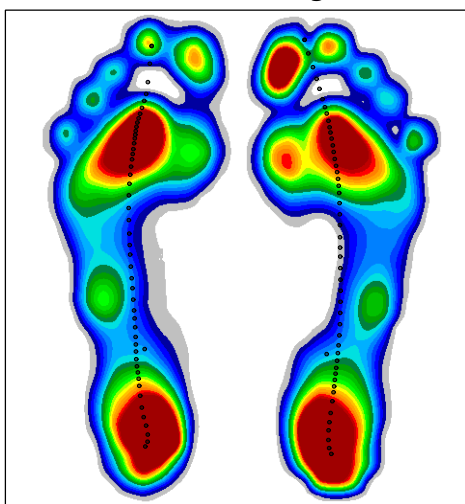
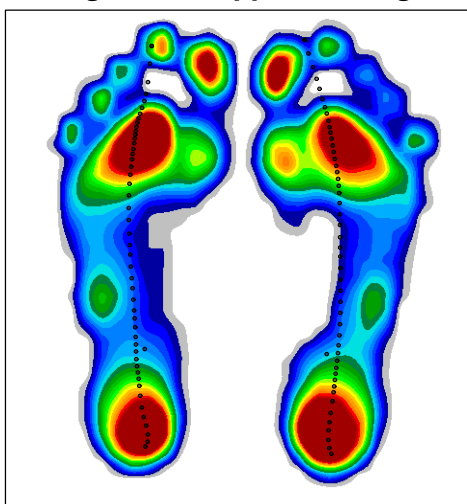


Pressure plots

Single limb support, average

Stance, average

Stance, maximum



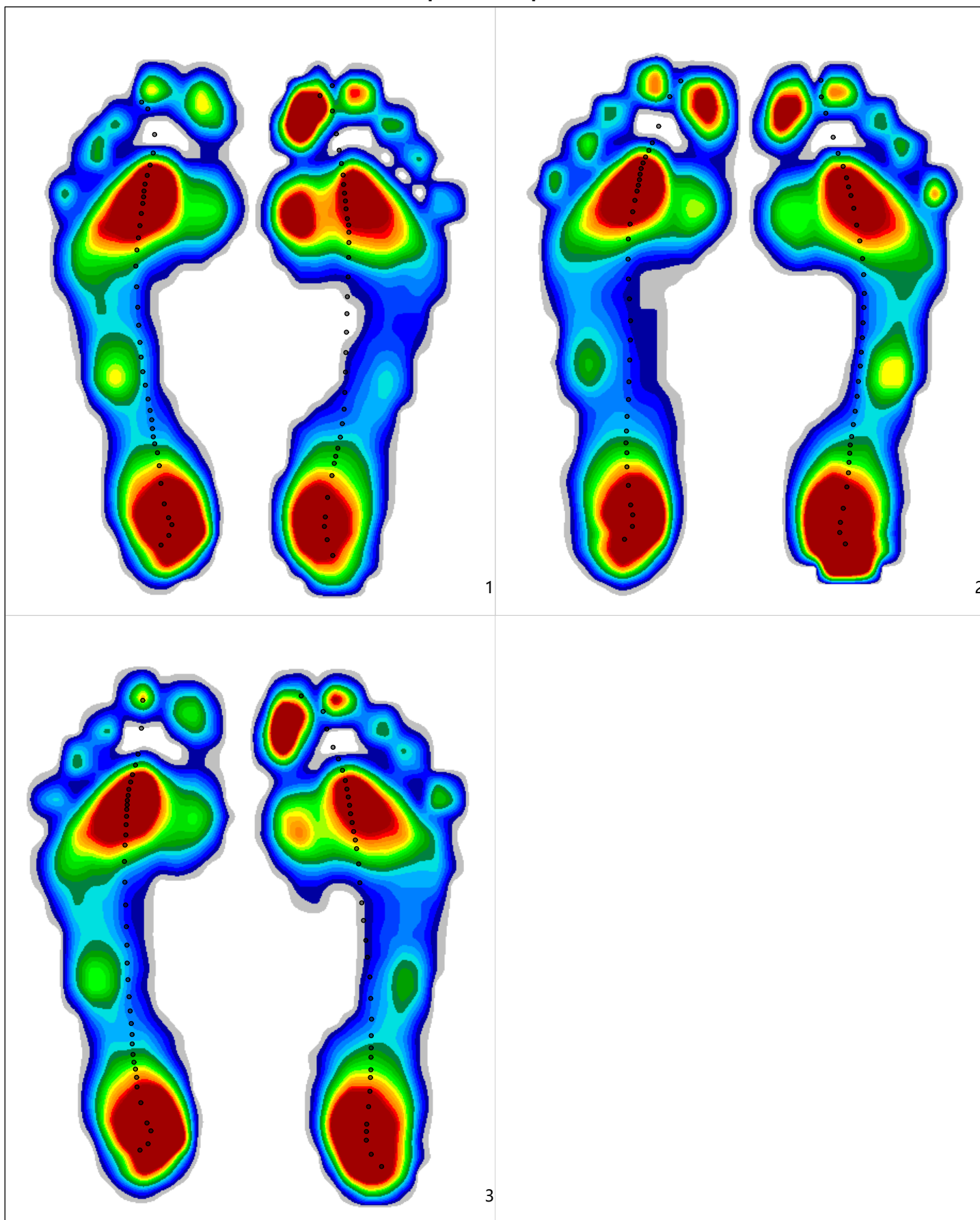
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Separate footprints



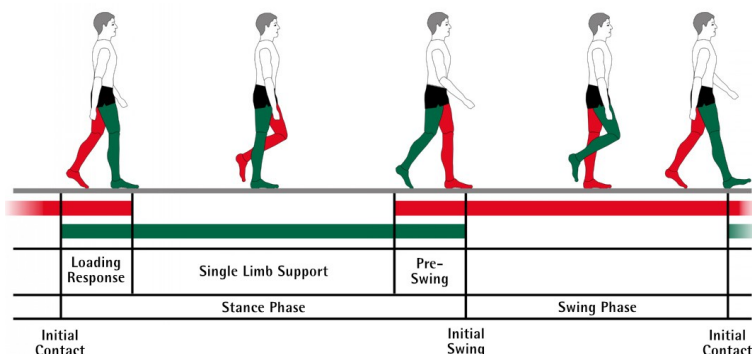
0 2 4 6 8 10 12 14 16 18 20 N/cm²

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Gait parameters



Geometry

Foot rotation, degree	L	-2,2	-5°		5°
	R	1,0±3,5			
Step length, cm	L	58			140 cm
	R	67			
Stride length, cm		124			140 cm
Step width, cm		7±2			

Phases

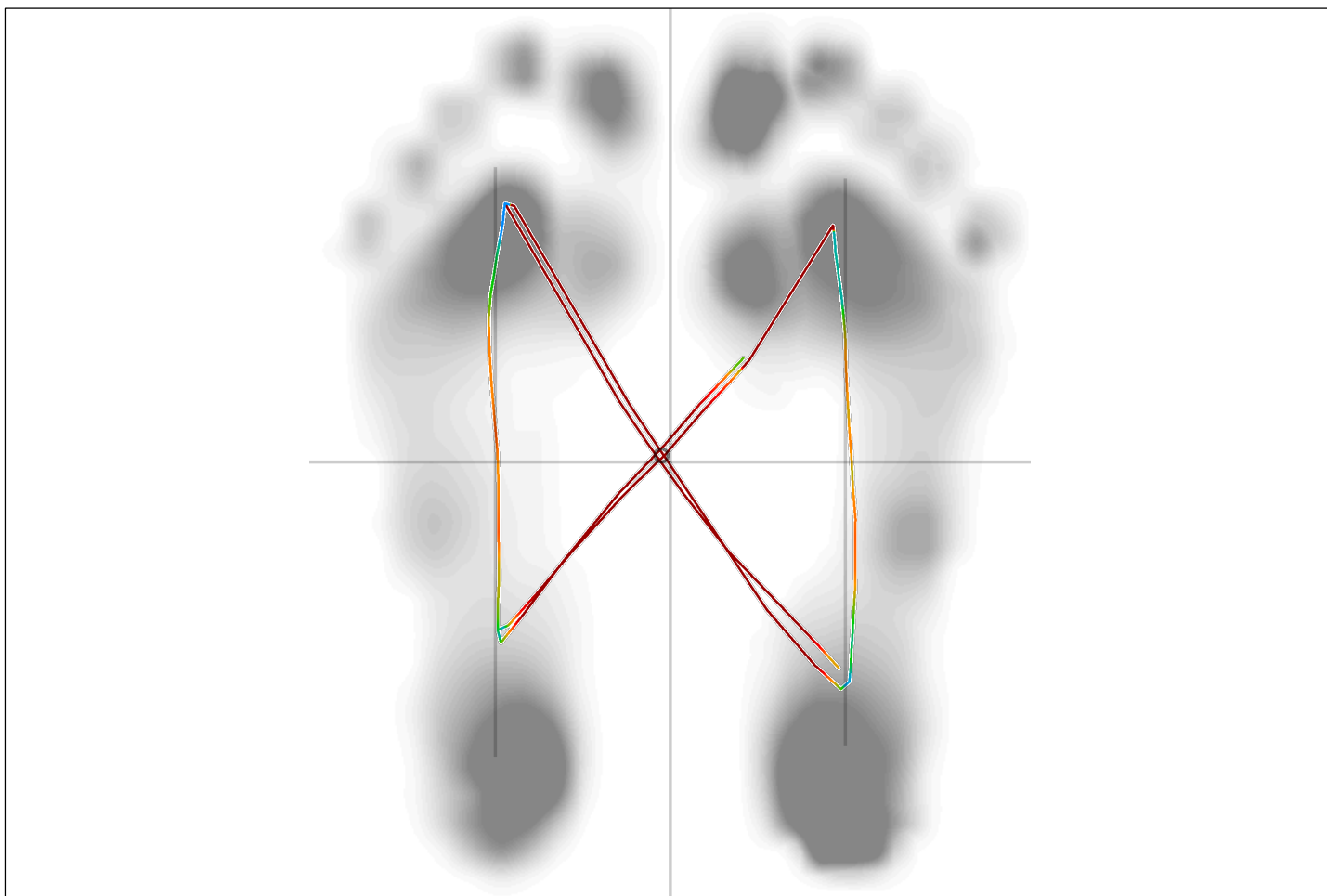
Stance phase, %	L	61,8			100 %
	R	65,1±0,3			
Load response, %	L	14,5			
	R	12,7			
Single limb support, %	L	34,5			
	R	38,2			
Pre-Swing, %	L	12,7			
	R	14,7±0,1			
Swing phase, %	L	38,2			
	R	34,9±0,3			
Double stance phase, %		27,3±0,0			

Timing

Step time, sec	L	0,56			1.2 sec
	R	0,54			
Stride time, sec		1,10			1.2 sec
Cadence, steps/min		110±1			120 steps/min
Velocity, km/h		4,1±0,1			5 km/h

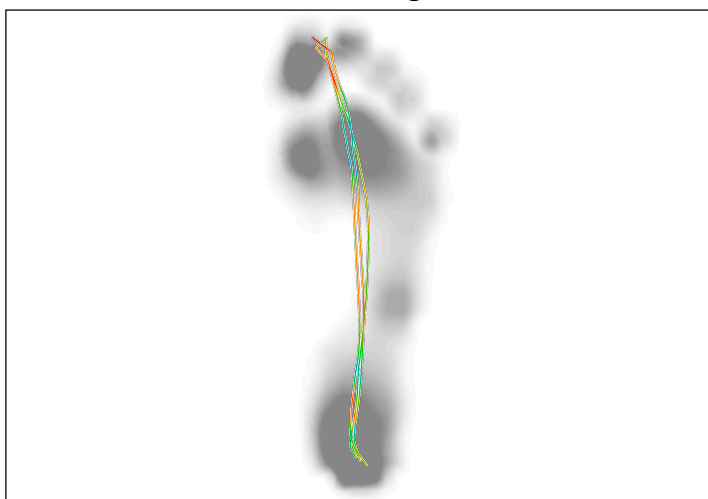
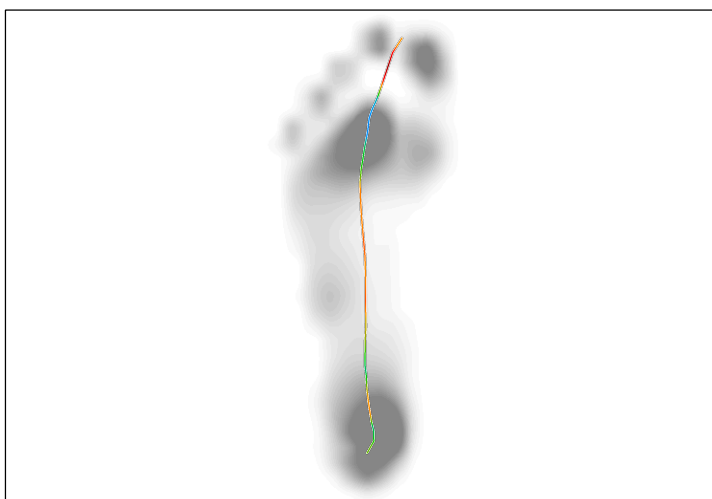
COP analysis

Butterfly



Gait line left

Gait line right

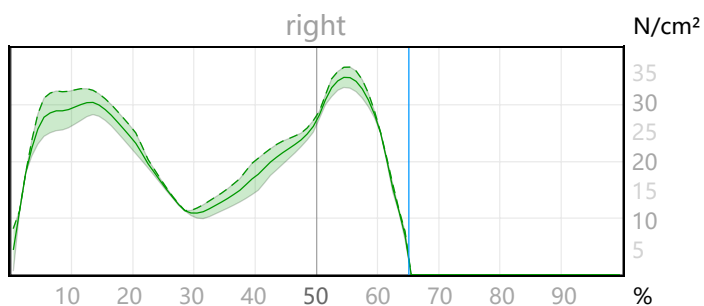
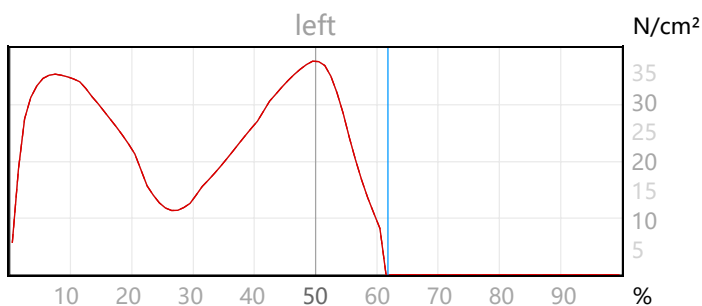


Butterfly parameters

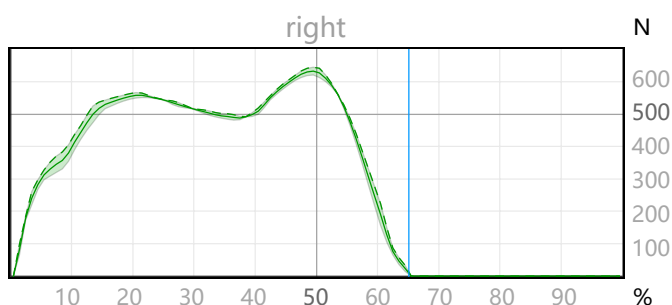
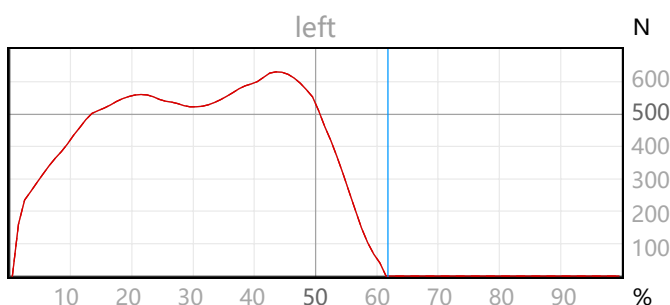
Length of gait line, mm	L	229,2±0,0	250 mm	
	R	234,0±1,6		
Single limb support line, mm	L	131,5		
	R	140,6		
Ant/post position, mm		2,0±1,3	-125 mm	125 mm
Lateral symmetry, mm		-2,7±0,6	-21 mm	21 mm
Max gait line velocity, cm/sec		79,1		

Force and pressure

Pressure curves



Force curves



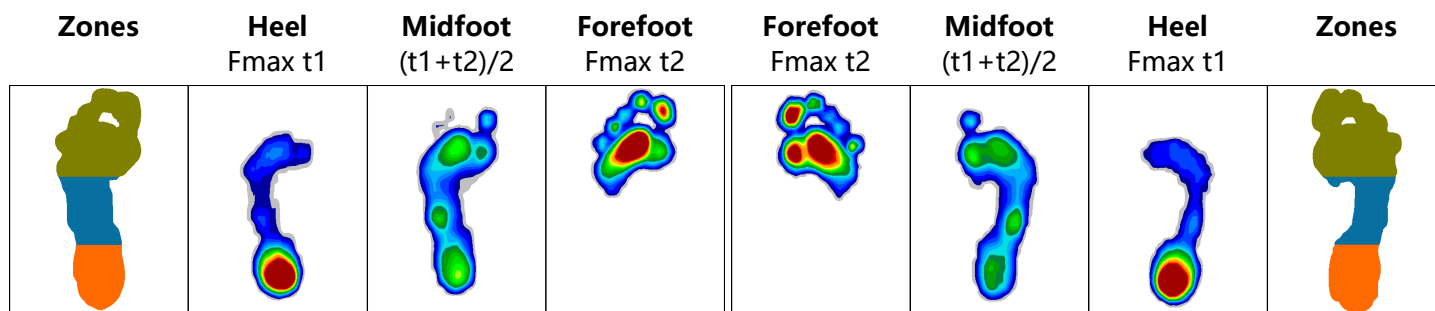
Force parameters

Maximum force1, N	L	560,8	<div style="width: 78%;"></div>	700 N
	R	558,3	<div style="width: 79%;"></div>	
Time maximum force1, %	L	21	<div style="width: 21%;"></div>	100%
	R	21	<div style="width: 21%;"></div>	
Maximum force2, N	L	630,6	<div style="width: 90%;"></div>	700 N
	R	632,9	<div style="width: 90%;"></div>	
Time maximum force2, %	L	43	<div style="width: 43%;"></div>	100%
	R	49	<div style="width: 49%;"></div>	

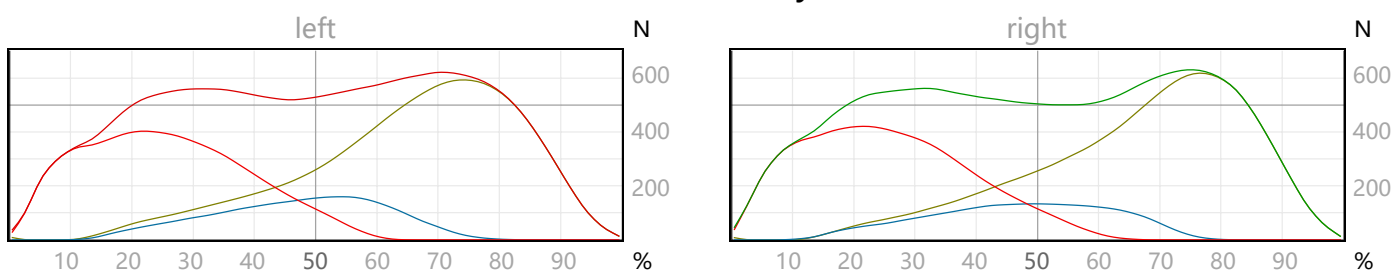
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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,29±0,03	700 N	0.4 sec
	R	0,28±0,01	700 N	
Time change heel to forefoot, %	L	40,6±2,7	100%	100%
	R	40,5±1,7	100%	

Maximum force, N

Forefoot	L	597,5±23,4	700 N
	R	621,0±15,4	700 N
Midfoot	L	166,0±11,6	
	R	145,1±25,1	
Heel	L	405,7±16,0	
	R	424,9±28,5	

Maximum pressure, N/cm²

Forefoot	L	35,5±2,5	50 N/cm ²
	R	32,7±5,0	50 N/cm ²
Midfoot	L	11,8±1,8	
	R	10,0±2,9	
Heel	L	39,8±2,8	
	R	32,8±2,9	

Time maximum force, % of stance time

Forefoot	L	72,0±2,2	100%
	R	74,3±0,6	100%
Midfoot	L	49,4±6,0	
	R	48,7±7,8	
Heel	L	18,7±0,8	
	R	19,0±1,0	






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Contact time, % of stance time

Forefoot	L	86,9±0,9		100%
	R	85,8±2,0		
Midfoot	L	69,1±1,1		
	R	66,7±2,8		
Heel	L	56,9±3,3		
	R	60,1±3,3	