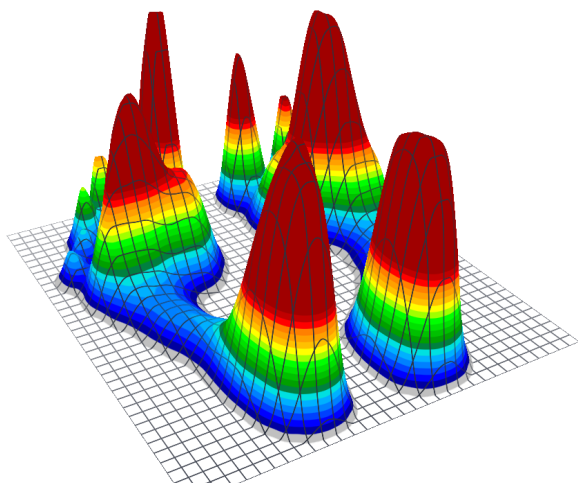


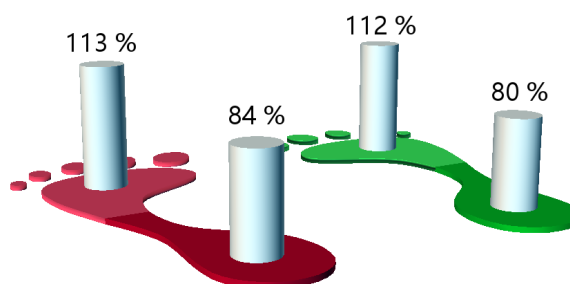
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

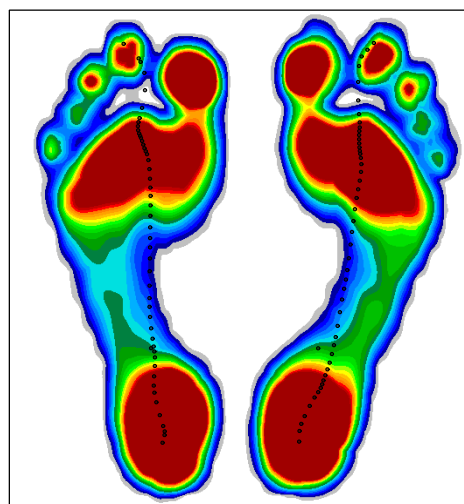
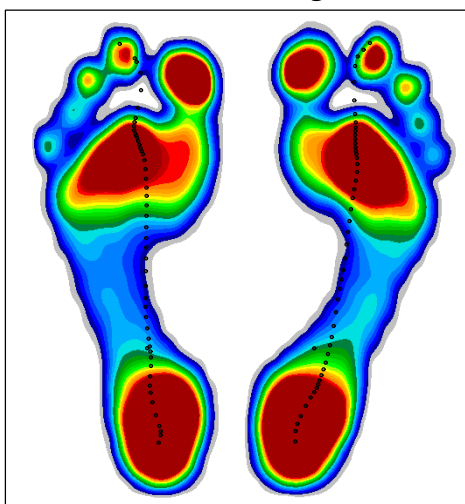
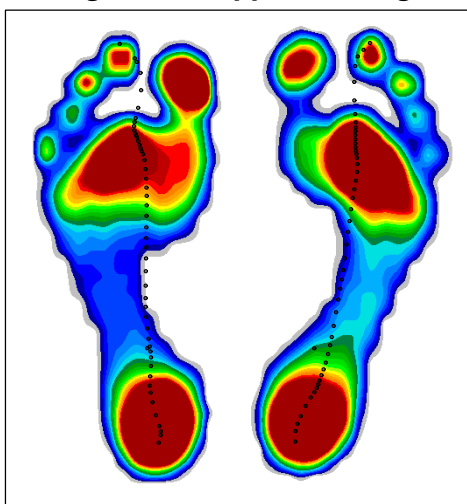


Pressure plots

Single limb support, average

Stance, average

Stance, maximum

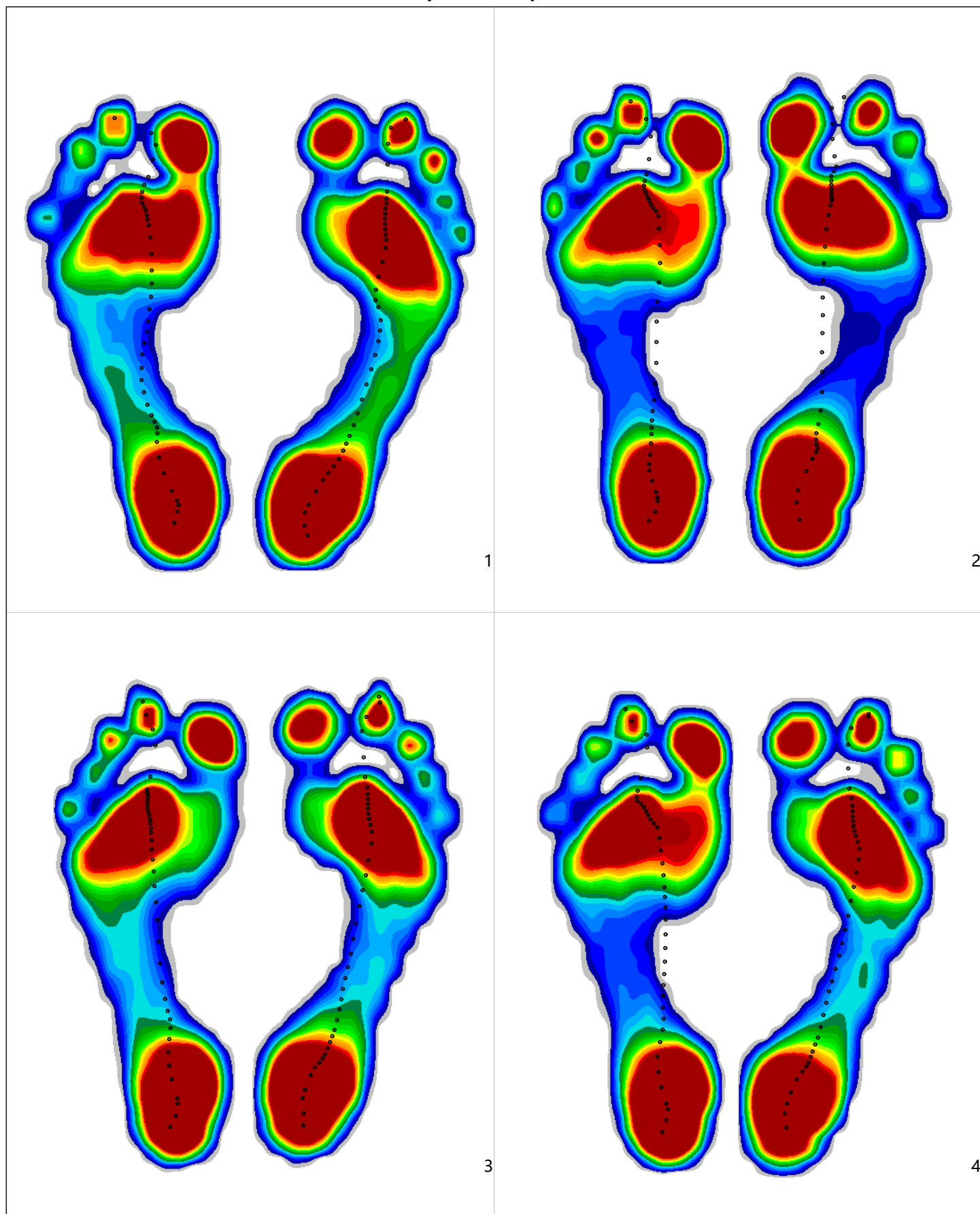


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Separate footprints

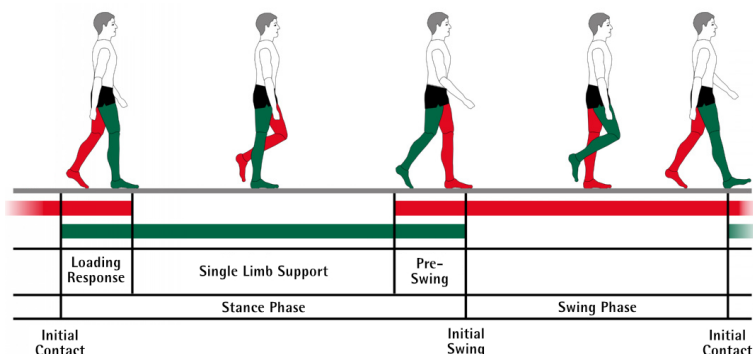


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Gait parameters



Geometry

Foot rotation, degree	L	$6,5 \pm 2,6$	-10°	
	R	9,4		
Step length, cm	L	73		
	R	75		
Stride length, cm		148		
Step width, cm		15 ± 3		

Phases

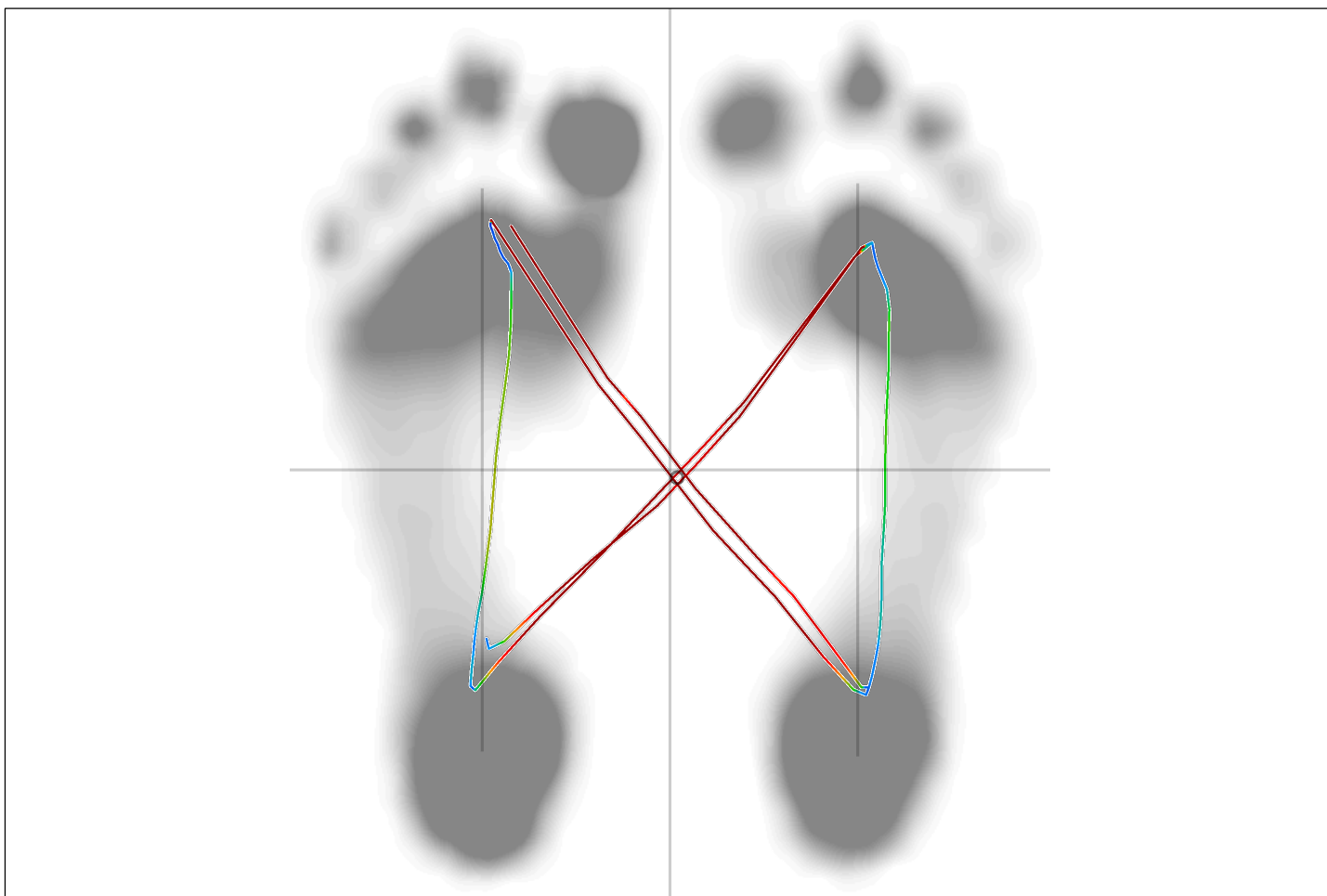
Stance phase, %	L	$60,8 \pm 0,8$		
	R	64,6		
Load response, %	L	13,8		
	R	12,3		
Single limb support, %	L	35,4		
	R	38,5		
Pre-Swing, %	L	$11,5 \pm 0,8$		
	R	13,8		
Swing phase, %	L	$39,2 \pm 0,8$		
	R	35,4		
Double stance phase, %		$25,4 \pm 0,8$		

Timing

Step time, sec	L	0,66		
	R	0,64		
Stride time, sec		1,30		
Cadence, steps/min		92 ± 0		
Velocity, km/h		$4,1 \pm 0,1$		

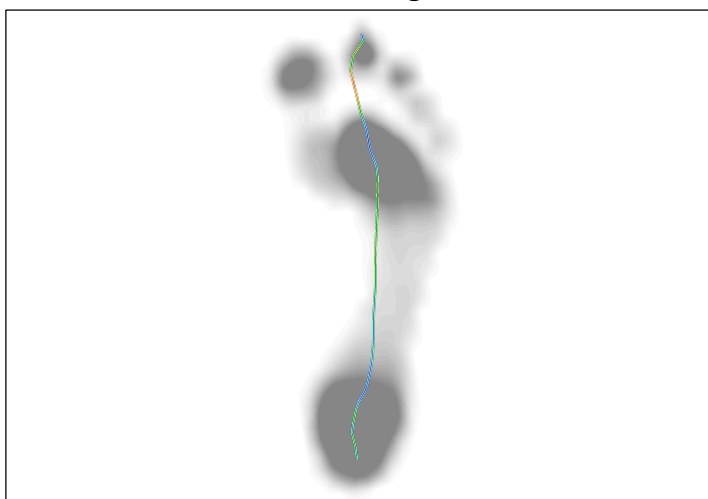
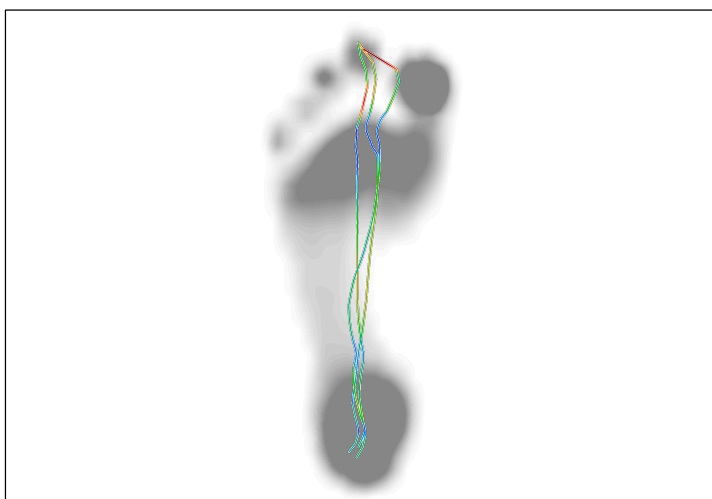
COP analysis

Butterfly



Gait line left

Gait line right

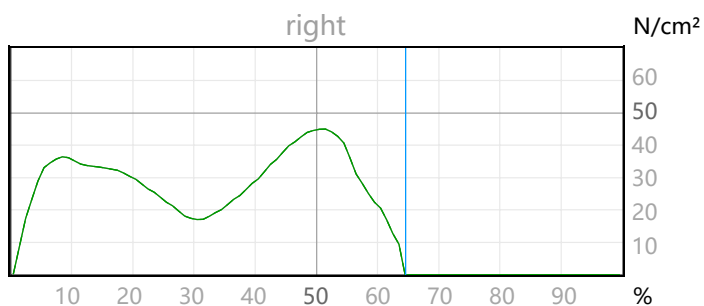
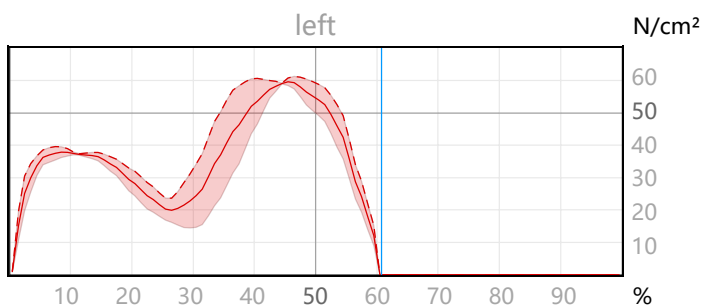


Butterfly parameters

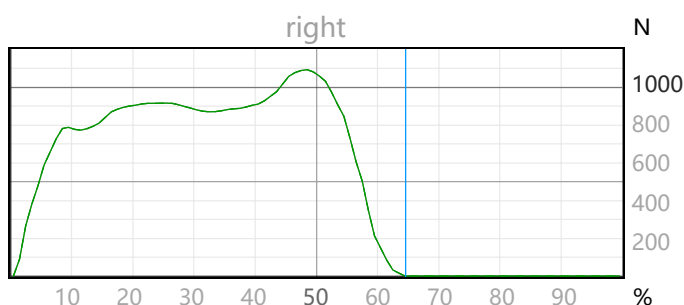
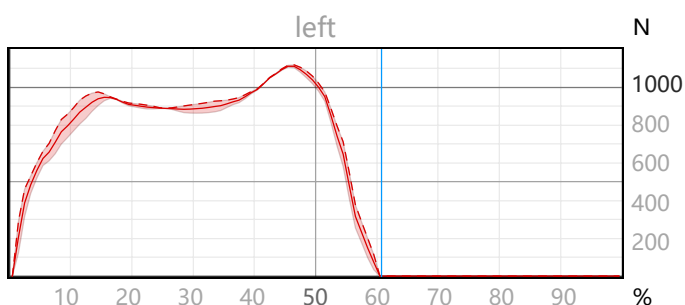
Length of gait line, mm	L	248,5±5,2	<div style="width: 82.8%;"></div>	300 mm
	R	255,9±0,0	<div style="width: 85.3%;"></div>	
Single limb support line, mm	L	151,0	<div style="width: 50.3%;"></div>	
	R	151,6	<div style="width: 50.5%;"></div>	
Ant/post position, mm		-2,6±2,1	<div style="width: 1.7%;"></div>	150 mm
Lateral symmetry, mm		2,4±1,2	<div style="width: 1.6%;"></div>	21 mm
Max gait line velocity, cm/sec		117,7	<div style="width: 100%;"></div>	

Force and pressure

Pressure curves



Force curves



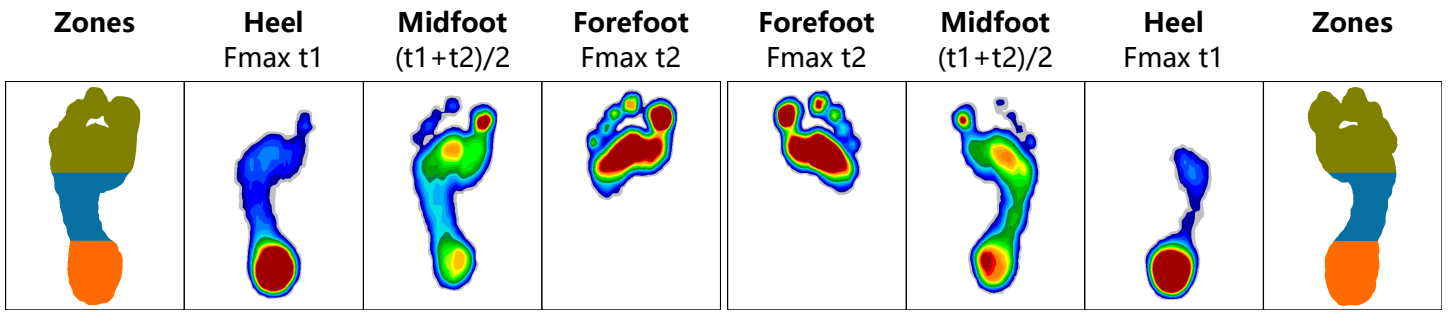
Force parameters

Maximum force1, N	L	946,4	<div style="width: 78.8%;"></div>	1200 N
	R	915,7	<div style="width: 76.3%;"></div>	
Time maximum force1, %	L	15	<div style="width: 15%;"></div>	100%
	R	25	<div style="width: 25%;"></div>	
Maximum force2, N	L	1110,8	<div style="width: 92.5%;"></div>	1200 N
	R	1092,7	<div style="width: 91.1%;"></div>	
Time maximum force2, %	L	45	<div style="width: 45%;"></div>	100%
	R	48	<div style="width: 48%;"></div>	

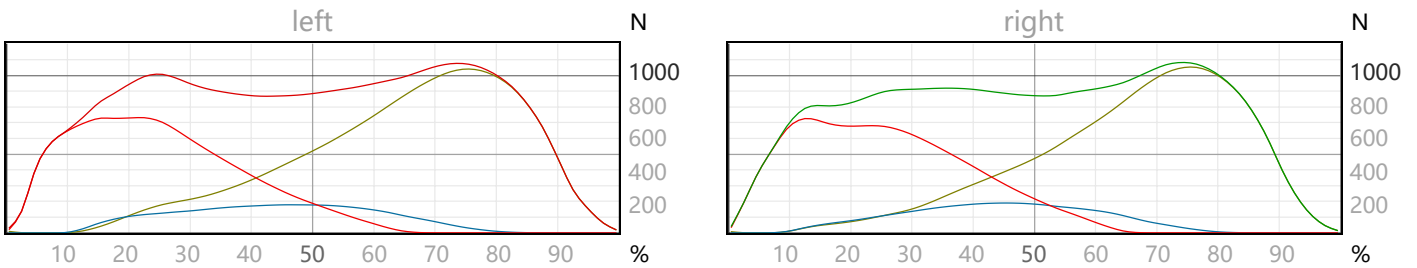
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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	R	100%
	0,30±0,02	0,33±0,03	0,4 sec
Time change heel to forefoot, %	L	R	100%
	37,8±3,2	40,8±2,5	100%

Maximum force, N

Zone	L	R	1200 N
Forefoot	1051,3±42,5	1058,2±4,7	1200 N
Midfoot	187,1±37,9	199,7±51,8	
Heel	752,6±4,0	744,4±38,0	

Maximum pressure, N/cm²

Zone	L	R	70 N/cm²
Forefoot	53,6±9,9	49,5±6,1	70 N/cm²
Midfoot	11,6±1,7	16,3±2,6	
Heel	40,8±1,6	38,3±1,6	

Time maximum force, % of stance time

Zone	L	R	100%
Forefoot	72,3±2,4	73,1±0,8	100%
Midfoot	45,3±5,7	44,4±4,6	
Heel	17,0±4,6	10,3±1,8	







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MUNI
SPORT

Contact time, % of stance time

Forefoot	L	87,4±0,1		100%
	R	89,0±1,1		H
Midfoot	L	73,6±1,4		H
	R	73,1±2,4		H
Heel	L	60,4±3,6		H
	R	61,0±1,8		H