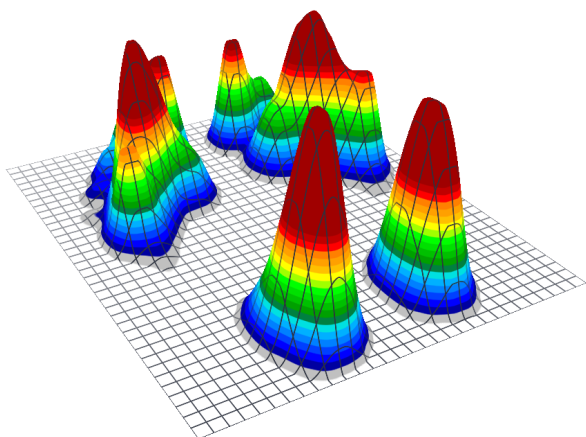


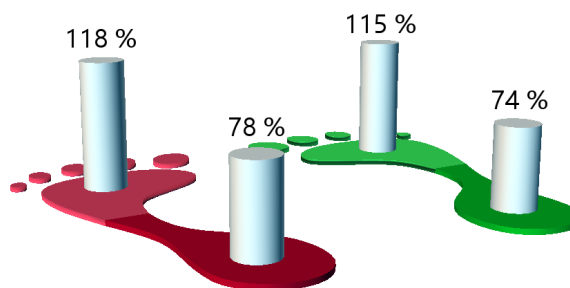
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

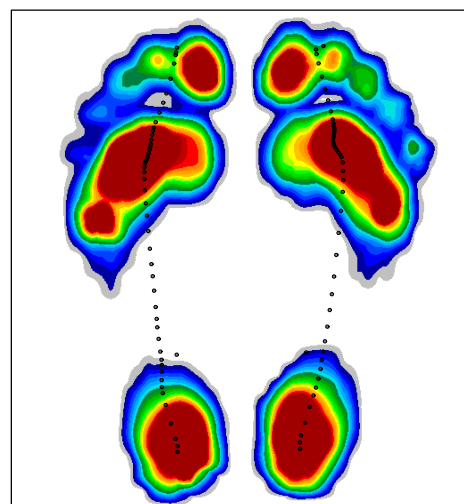
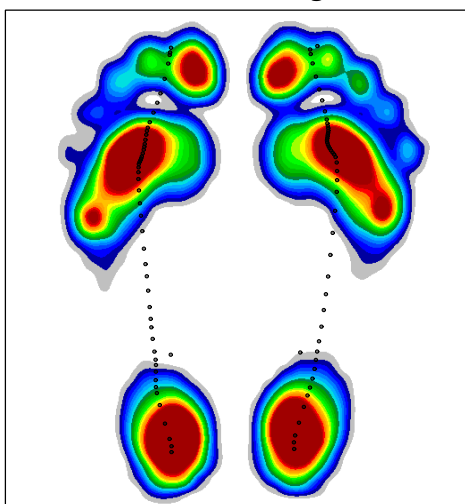
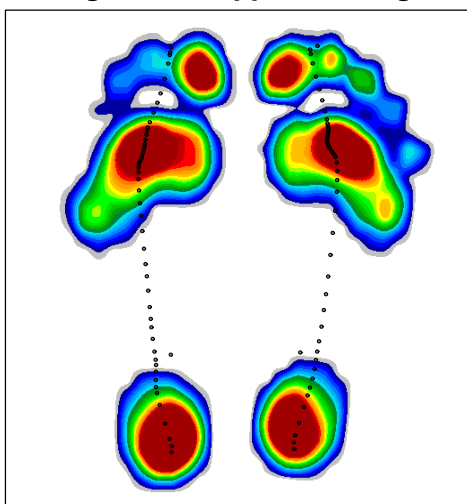


Pressure plots

Single limb support, average

Stance, average

Stance, maximum

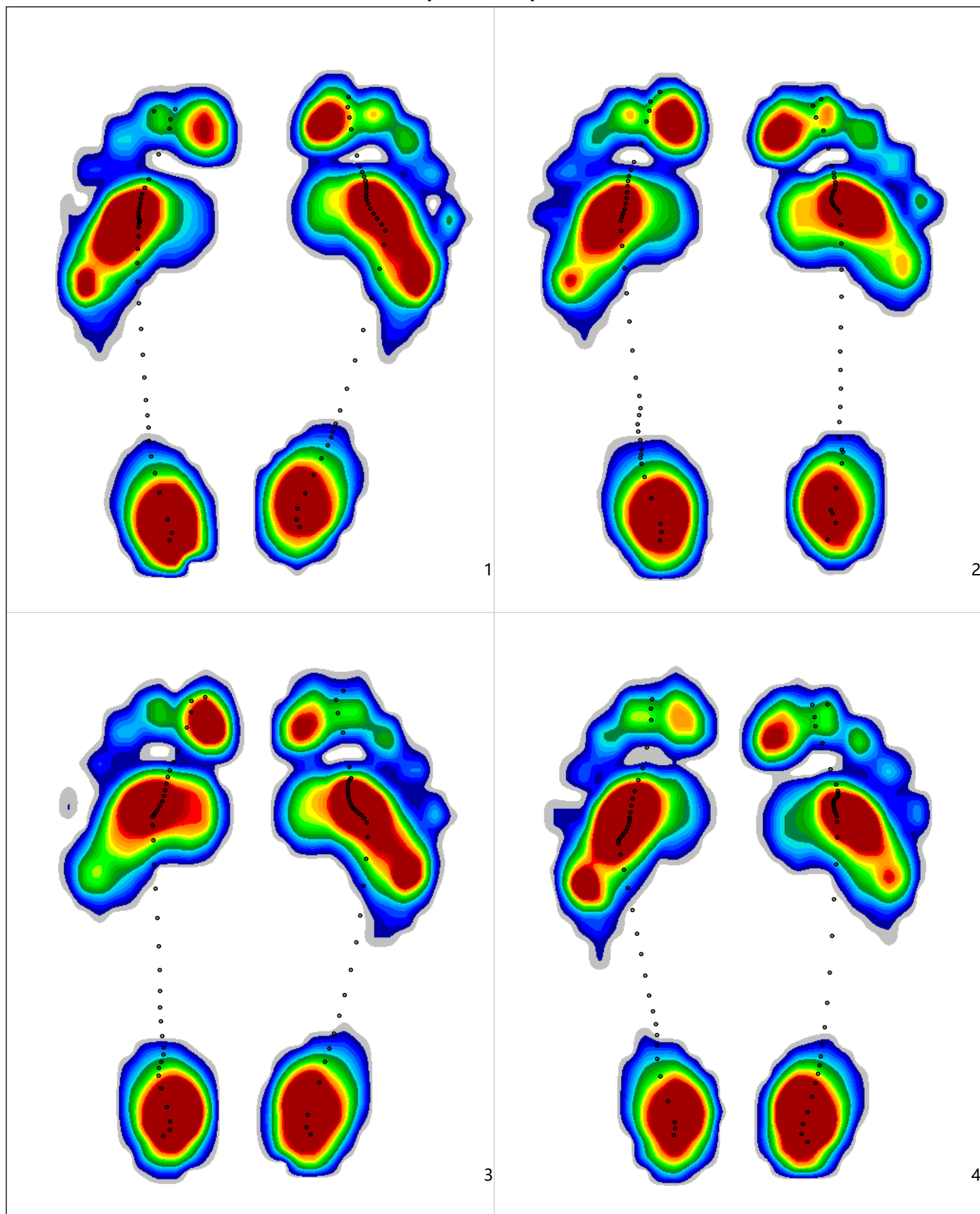


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Person: Lukáš Pech, 08.10.2004

Record: 28.11.2024 12:44, Gait Analysis FDM, chuze

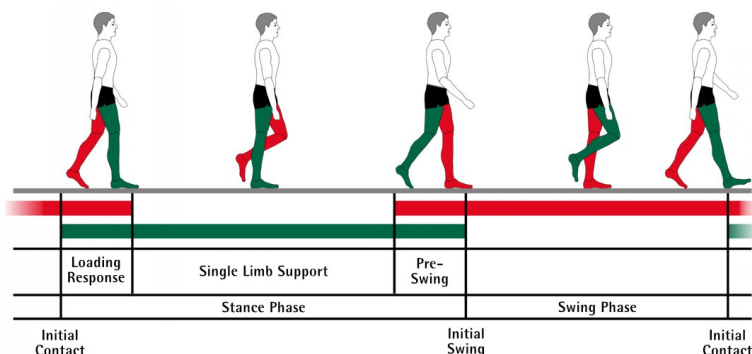
Separate footprints



Fakulta sportovních studií Gait Report

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Gait parameters



Geometry

Foot rotation, degree	L	2,5	-13°	13°
	R	6,7±5,4		
Step length, cm	L	68		150 cm
	R	67		
Stride length, cm		135		150 cm
Step width, cm		13±2		

Phases

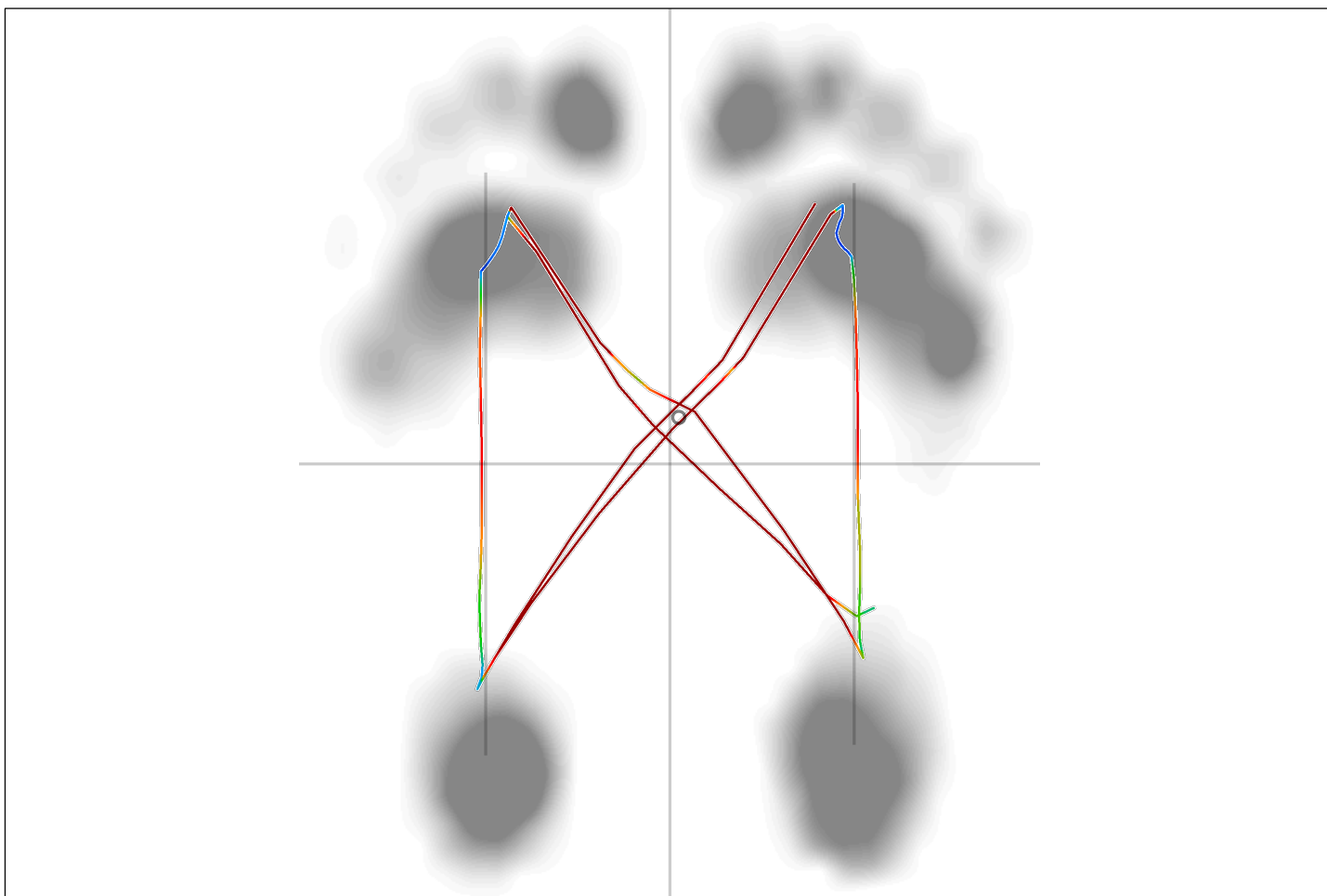
Stance phase, %	L	62,3		100 %
	R	62,8±1,1		
Load response, %	L	11,5		
	R	13,1		
Single limb support, %	L	37,7		
	R	37,7		
Pre-Swing, %	L	13,1		
	R	12,4±0,7		
Swing phase, %	L	37,7		
	R	37,2±1,1		
Double stance phase, %		25,4±0,8		

Timing

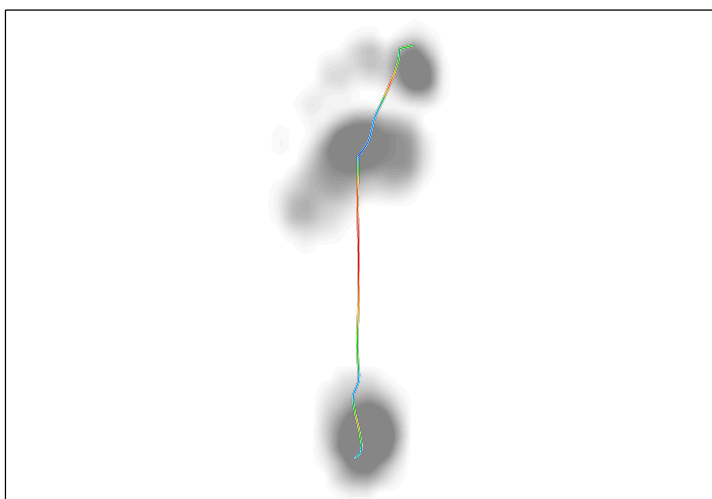
Step time, sec	L	0,62		1.3 sec
	R	0,60		
Stride time, sec		1,22		1.3 sec
Cadence, steps/min		99±1		110 steps/min
Velocity, km/h		4,0±0,0		5 km/h

COP analysis

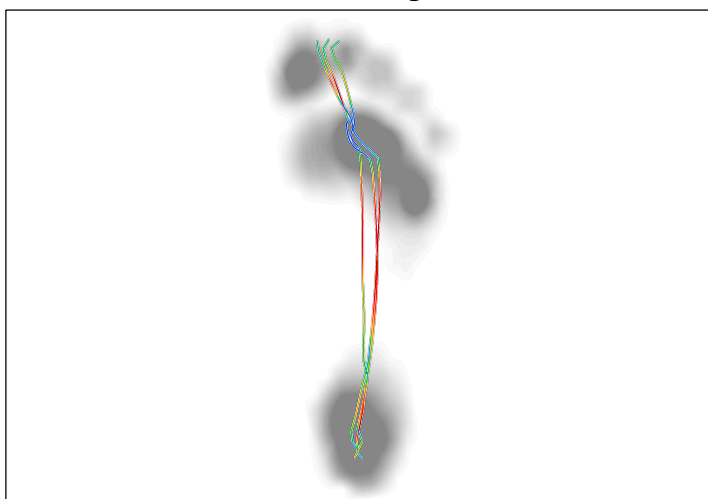
Butterfly



Gait line left



Gait line right

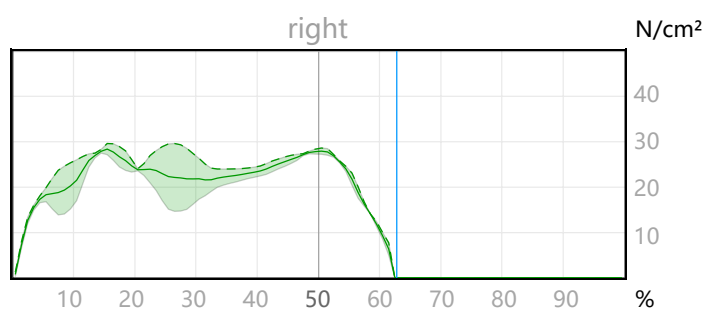
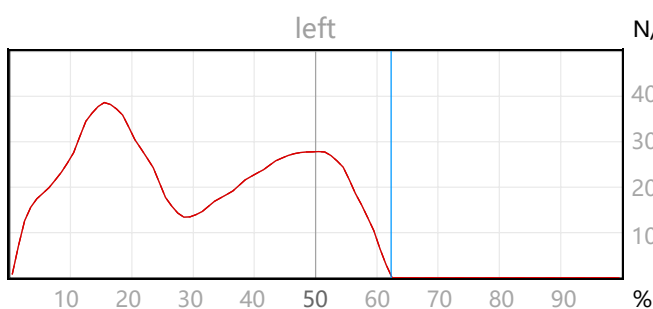


Butterfly parameters

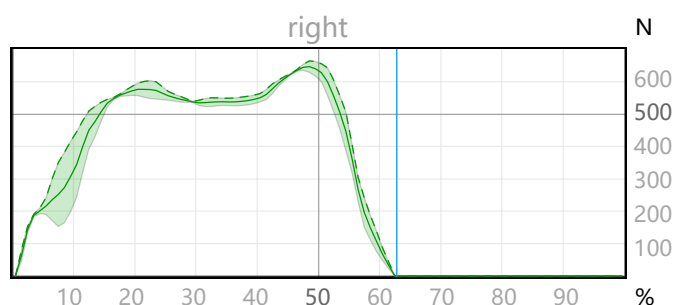
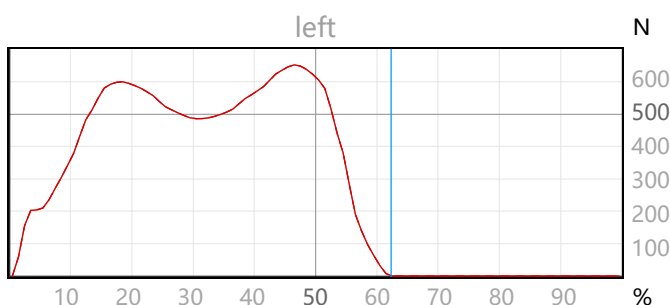
Length of gait line, mm	L	246,5±0,0	<div style="width: 82%; background-color: red;"></div>	300 mm
	R	246,1±3,3	<div style="width: 82%; background-color: green;"></div>	
Single limb support line, mm	L	156,0	<div style="width: 52%; background-color: red;"></div>	
	R	143,8	<div style="width: 48%; background-color: green;"></div>	
Ant/post position, mm		15,4±4,7	<div style="width: 10%; background-color: blue;"></div>	-150 mm 150 mm
Lateral symmetry, mm		2,9±3,5	<div style="width: 10%; background-color: blue;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		92,1	<div style="width: 100%; background-color: blue;"></div>	

Force and pressure

Pressure curves



Force curves



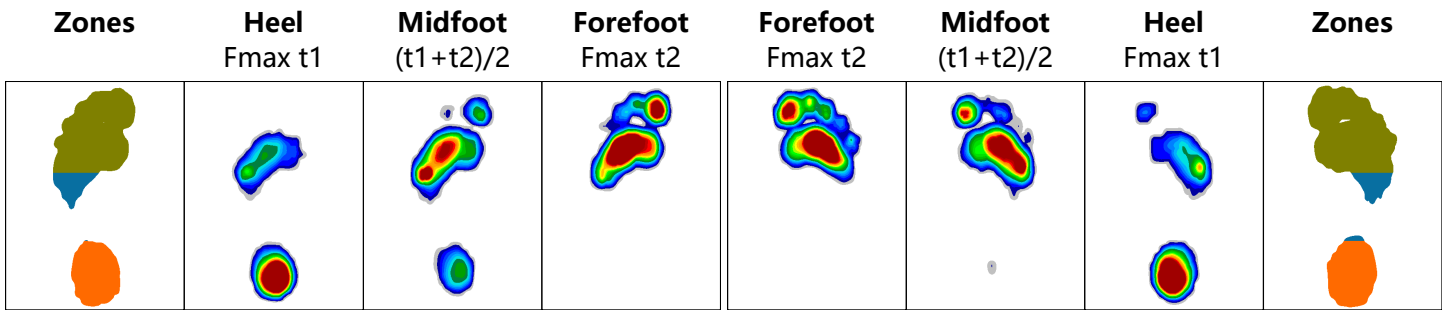
Force parameters

Maximum force1, N	L	600,2	<div style="width: 85%;"></div>	700 N
	R	576,7	<div style="width: 82%;"></div>	
Time maximum force1, %	L	18	<div style="width: 18%;"></div>	100%
	R	20	<div style="width: 20%;"></div>	
Maximum force2, N	L	652,3	<div style="width: 93%;"></div>	700 N
	R	646,9	<div style="width: 92%;"></div>	
Time maximum force2, %	L	46	<div style="width: 46%;"></div>	100%
	R	48	<div style="width: 48%;"></div>	

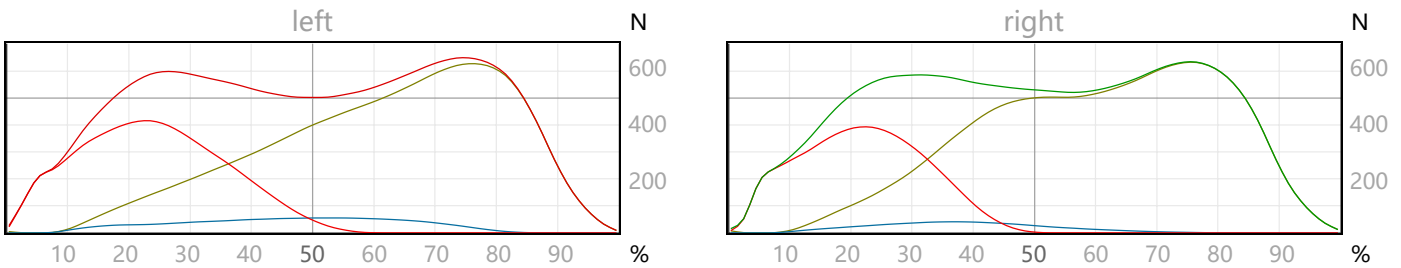
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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	R	Reference
	0,26±0,04	0,23±0,02	0.4 sec
Time change heel to forefoot, %	L	R	Reference
	33,9±5,1	30,0±2,9	100%

Maximum force, N

Zone	L	R	Reference
Forefoot	631,3±16,1	635,2±26,1	400 N
Midfoot	58,7±13,8	44,0±15,4	
Heel	429,0±25,8	409,2±31,2	

Maximum pressure, N/cm²

Zone	L	R	Reference
Forefoot	31,9±3,9	30,6±1,7	50 N/cm²
Midfoot	21,6±7,4	19,9±5,1	
Heel	35,9±2,7	31,4±2,9	

Time maximum force, % of stance time

Zone	L	R	Reference
Forefoot	73,2±2,0	73,2±0,9	100%
Midfoot	48,3±7,3	37,2±5,3	
Heel	18,9±5,0	19,6±3,8	






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Contact time, % of stance time

Forefoot	L	90,2±1,1	 100%
	R	88,9±1,0	
Midfoot	L	72,6±2,9	
	R	65,3±4,4	
Heel	L	50,9±3,8	
	R	43,1±4,2	