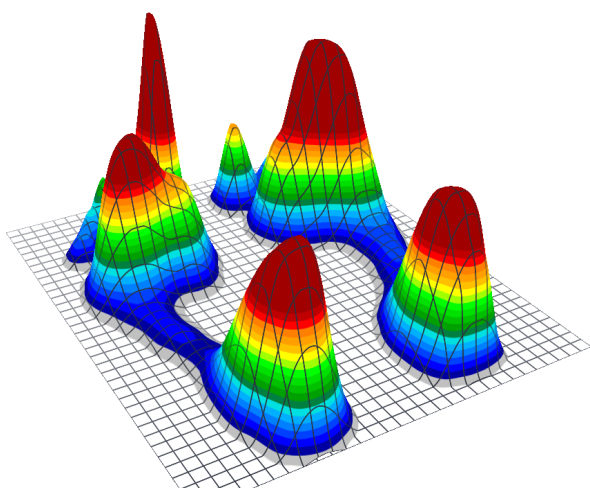


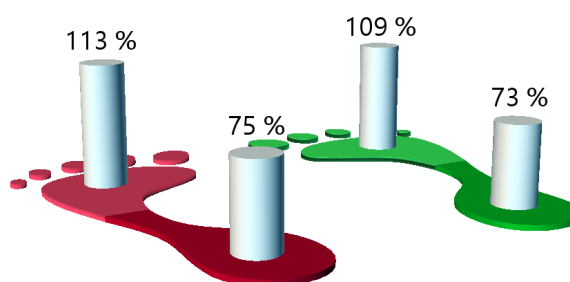
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

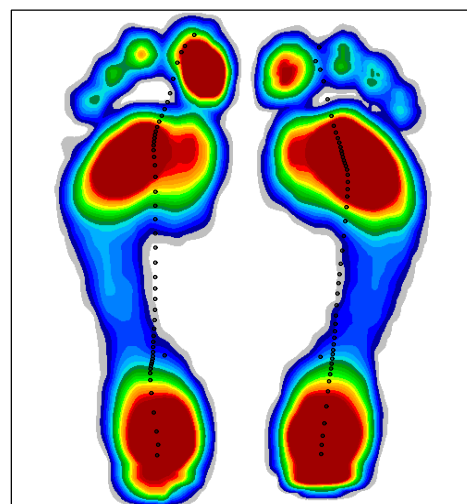
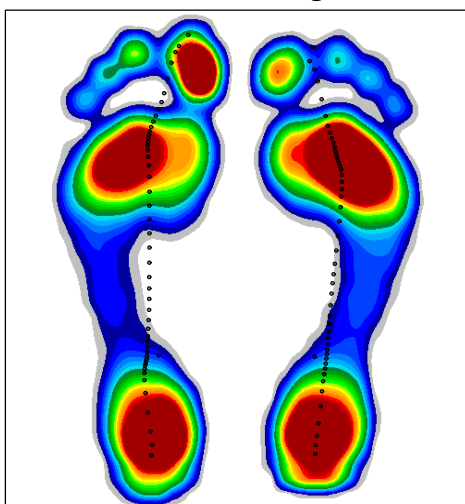
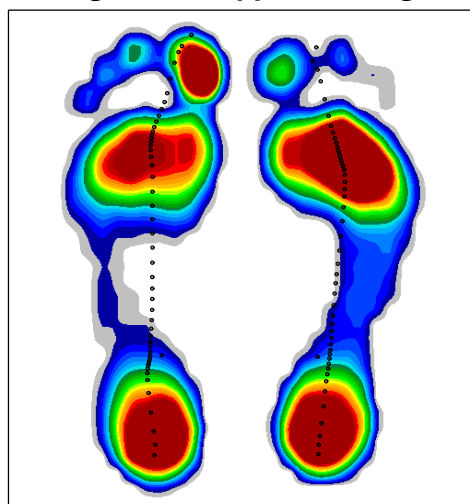


Pressure plots

Single limb support, average

Stance, average

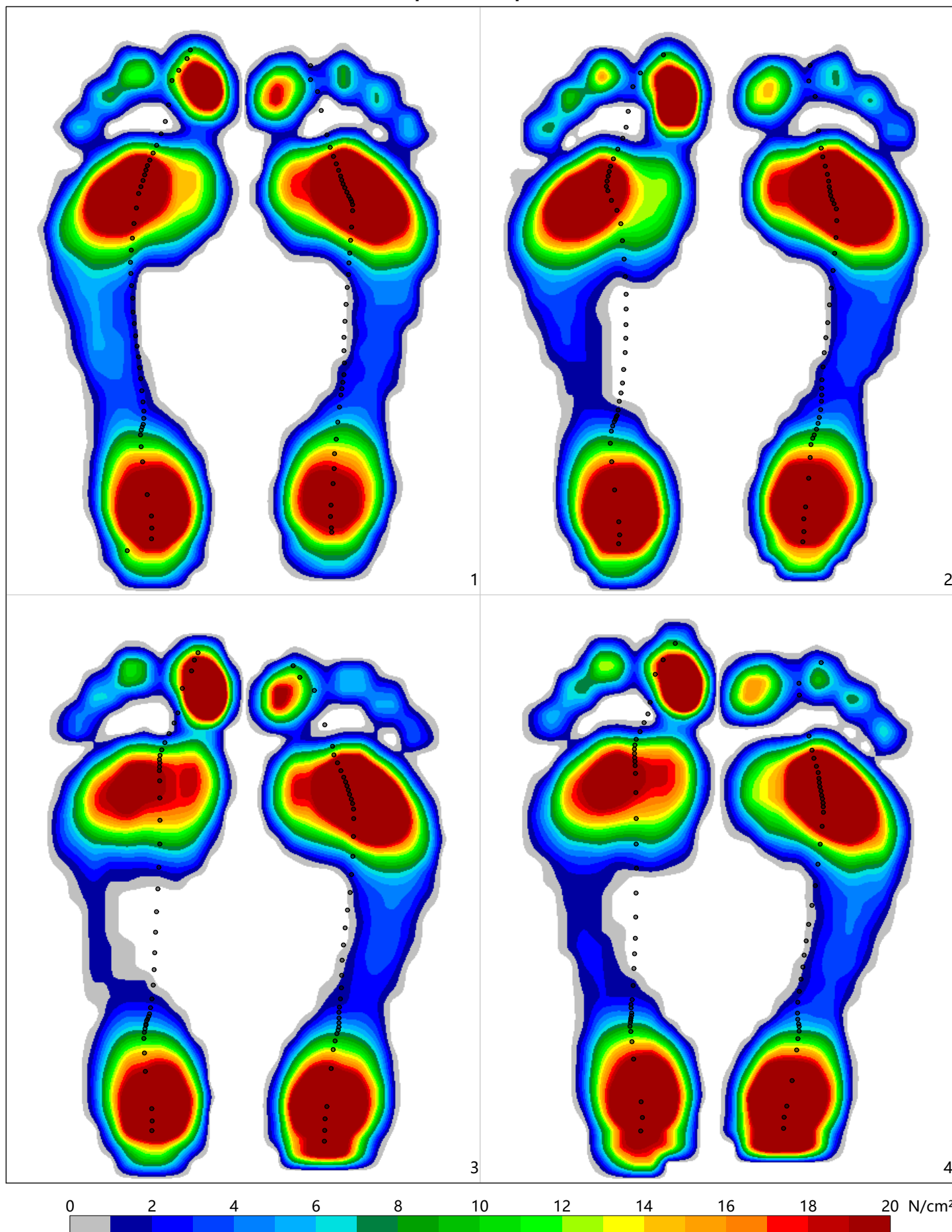
Stance, maximum



Fakulta sportovních studií Gait Report

Person: Filip Dobeš, 16.02.2005
Record: 28.11.2024 11:56, Gait Analysis FDM, chuze

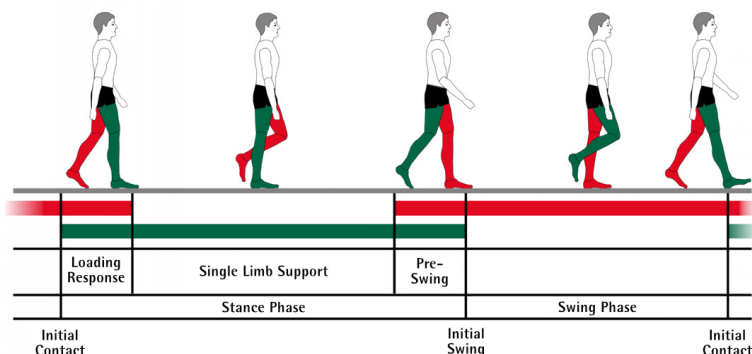
Separate footprints



Fakulta sportovních studií Gait Report

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Gait parameters



Geometry

Foot rotation, degree	L	1,2	-3°	3°
	R	2,0±0,7		
Step length, cm	L	63		140 cm
	R	65		
Stride length, cm		128		140 cm
Step width, cm		11±3		

Phases

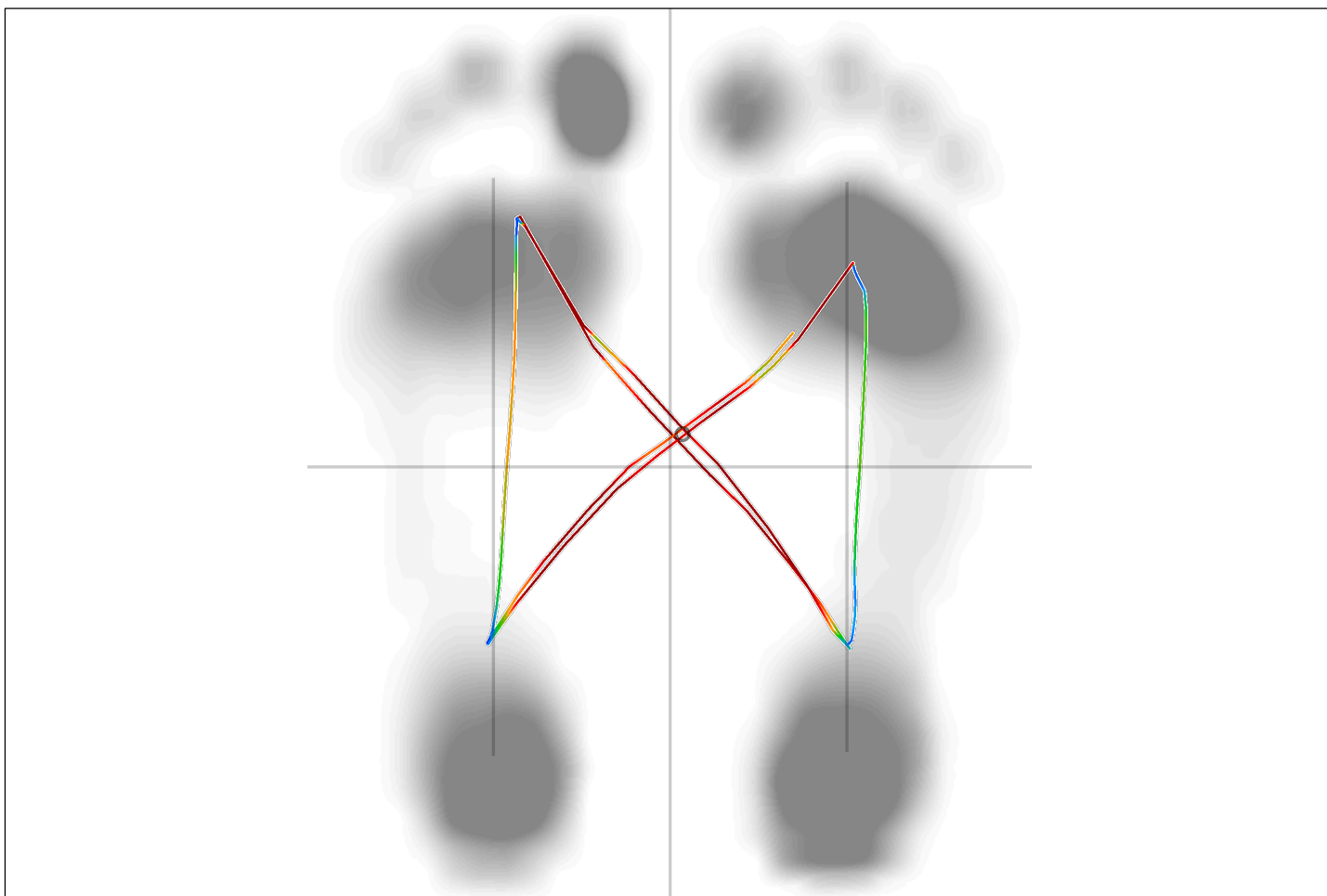
Stance phase, %	L	65,1		100 %
	R	67,7±1,0		
Load response, %	L	17,5		
	R	15,9		
Single limb support, %	L	31,7		
	R	34,9		
Pre-Swing, %	L	15,9		
	R	16,5±0,7		
Swing phase, %	L	34,9		
	R	32,3±1,0		
Double stance phase, %		32,5±0,8		

Timing

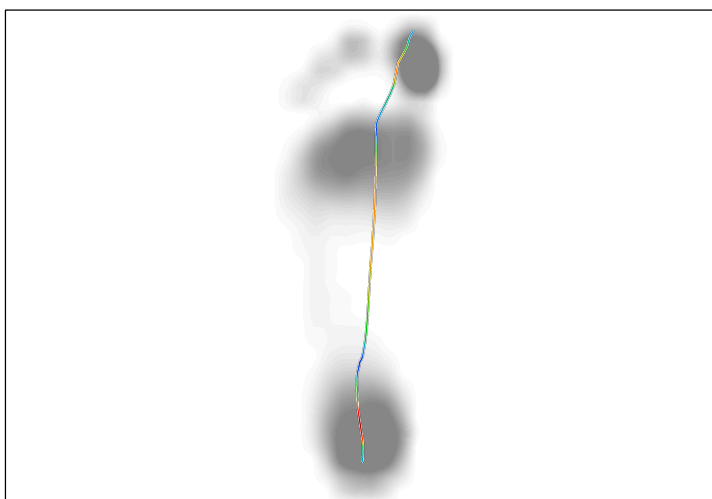
Step time, sec	L	0,64		1.4 sec
	R	0,62		
Stride time, sec		1,26		1.4 sec
Cadence, steps/min		95±1		110 steps/min
Velocity, km/h		3,7±0,0		4 km/h

COP analysis

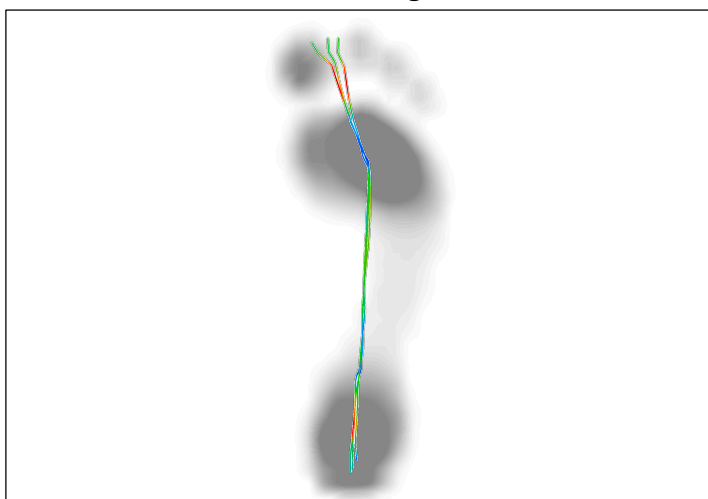
Butterfly



Gait line left



Gait line right

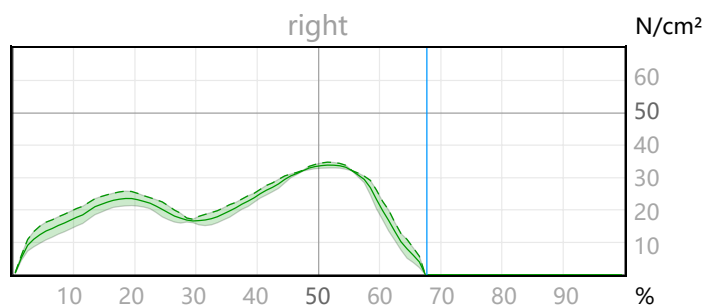
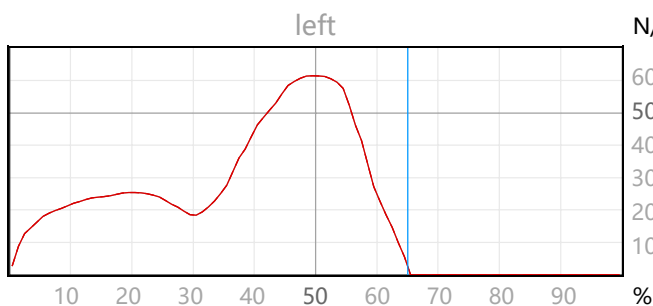


Butterfly parameters

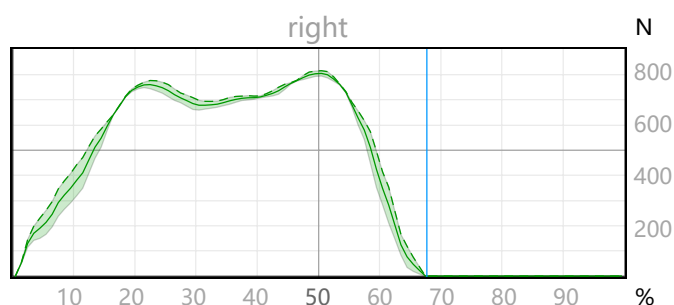
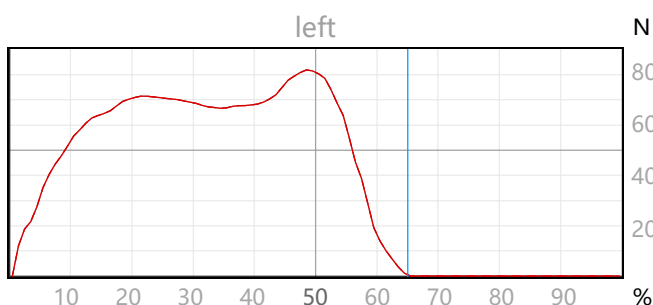
Length of gait line, mm	L	244,1±0,0	<div style="width: 81.4%;"></div>	300 mm
	R	241,5±2,3	<div style="width: 80.5%;"></div>	
Single limb support line, mm	L	132,5	<div style="width: 44.2%;"></div>	
	R	118,7	<div style="width: 39.6%;"></div>	
Ant/post position, mm		10,3±1,5	<div style="width: 10.3%;"></div>	-150 mm 150 mm
Lateral symmetry, mm		3,9±1,2	<div style="width: 3.9%;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		96,6	<div style="width: 100%;"></div>	

Force and pressure

Pressure curves



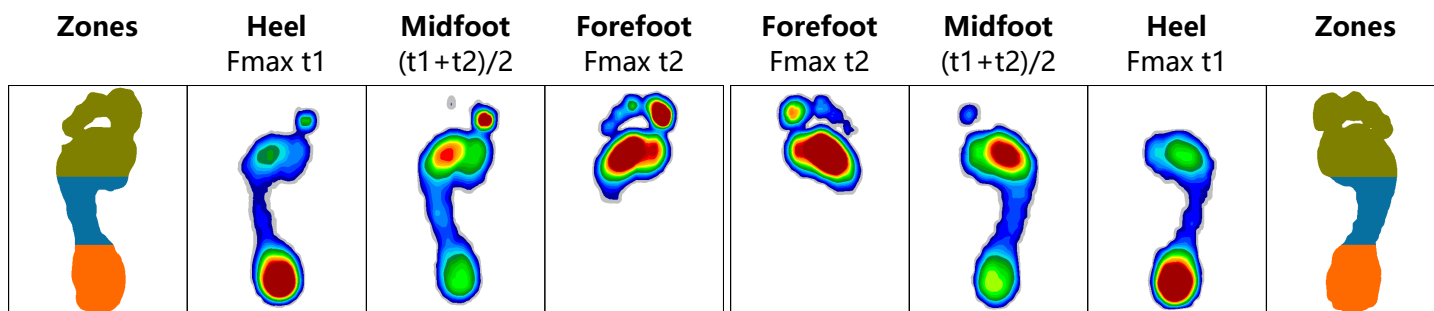
Force curves



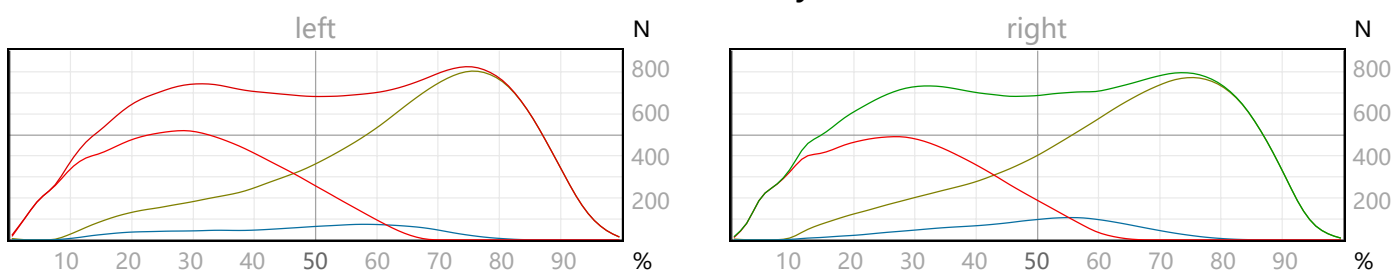
Force parameters

Maximum force1, N	L	714,3	<div style="width: 78%;"></div>	900 N
	R	760,3	<div style="width: 84%;"></div>	
Time maximum force1, %	L	21	<div style="width: 21%;"></div>	100%
	R	22	<div style="width: 22%;"></div>	
Maximum force2, N	L	818,5	<div style="width: 91%;"></div>	900 N
	R	804,8	<div style="width: 89%;"></div>	
Time maximum force2, %	L	48	<div style="width: 48%;"></div>	100%
	R	50	<div style="width: 50%;"></div>	

Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,37±0,00	0,4 sec
	R	0,34±0,03	
Time change heel to forefoot, %	L	43,9±2,3	100%
	R	41,1±3,6	

Maximum force, N

Forefoot	L	808,2±5,6	900 N
	R	776,4±29,8	
Midfoot	L	81,8±29,8	
	R	108,1±11,3	
Heel	L	525,7±10,7	
	R	512,8±45,5	

Maximum pressure, N/cm²

Forefoot	L	47,6±10,8	70 N/cm ²
	R	33,8±0,8	
Midfoot	L	8,4±1,3	
	R	14,3±1,3	
Heel	L	27,0±1,1	
	R	26,3±3,0	

Time maximum force, % of stance time

Forefoot	L	72,8±0,8	100%
	R	73,2±0,6	
Midfoot	L	56,8±4,3	
	R	53,0±2,0	
Heel	L	26,7±2,0	
	R	21,9±5,1	






Fakulta sportovních studií Gait Report

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Contact time, % of stance time

Forefoot	L	90,0±0,5	 100%
	R	88,7±0,8	
Midfoot	L	72,2±2,7	
	R	72,1±1,7	
Heel	L	63,3±0,7	
	R	59,5±2,4	