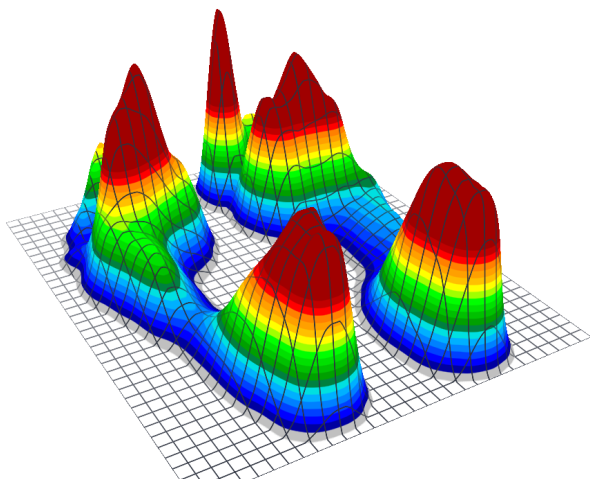


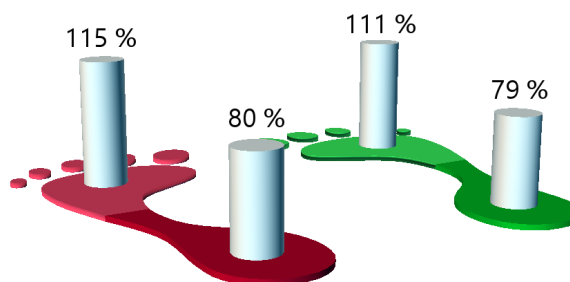
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

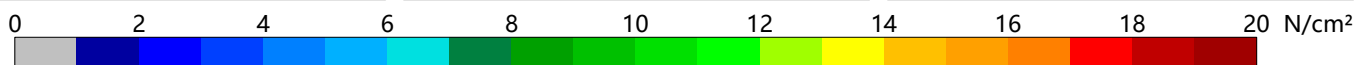
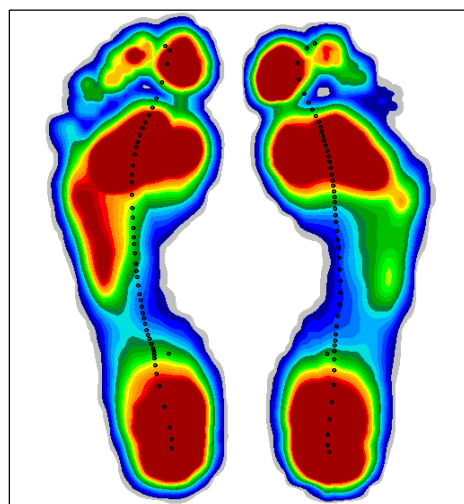
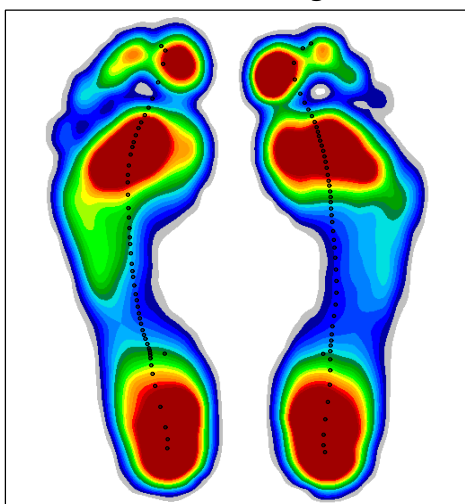
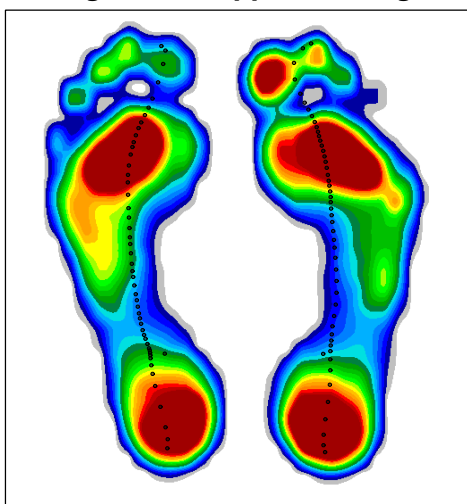


Pressure plots

Single limb support, average

Stance, average

Stance, maximum



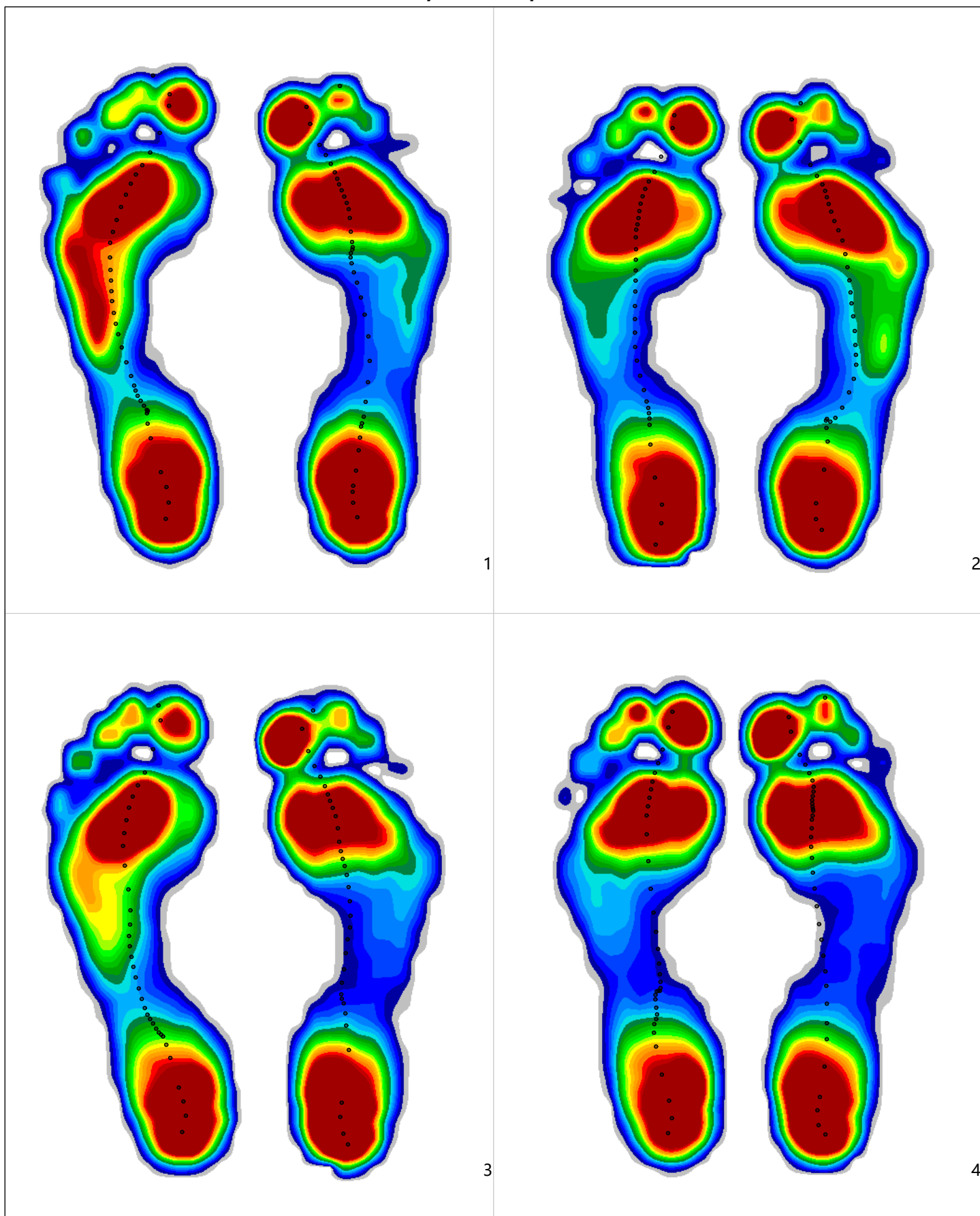
Fakulta sportovních studií Gait Report

Person: Patrik Sedláček, 04.12.2004

Record: 28.11.2024 12:07, Gait Analysis FDM, chuze

MUNI
SPORT

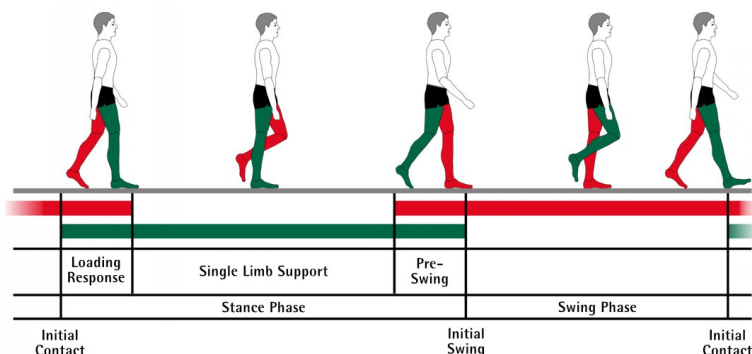
Separate footprints



Fakulta sportovních studií Gait Report

Person: Patrik Sedláček, 04.12.2004
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Gait parameters



Geometry

Foot rotation, degree	L	9,0	-10°	0°
	R	-0,4±1,6		
Step length, cm	L	72		150 cm
	R	68		
Stride length, cm		140		150 cm
Step width, cm		15±2		

Phases

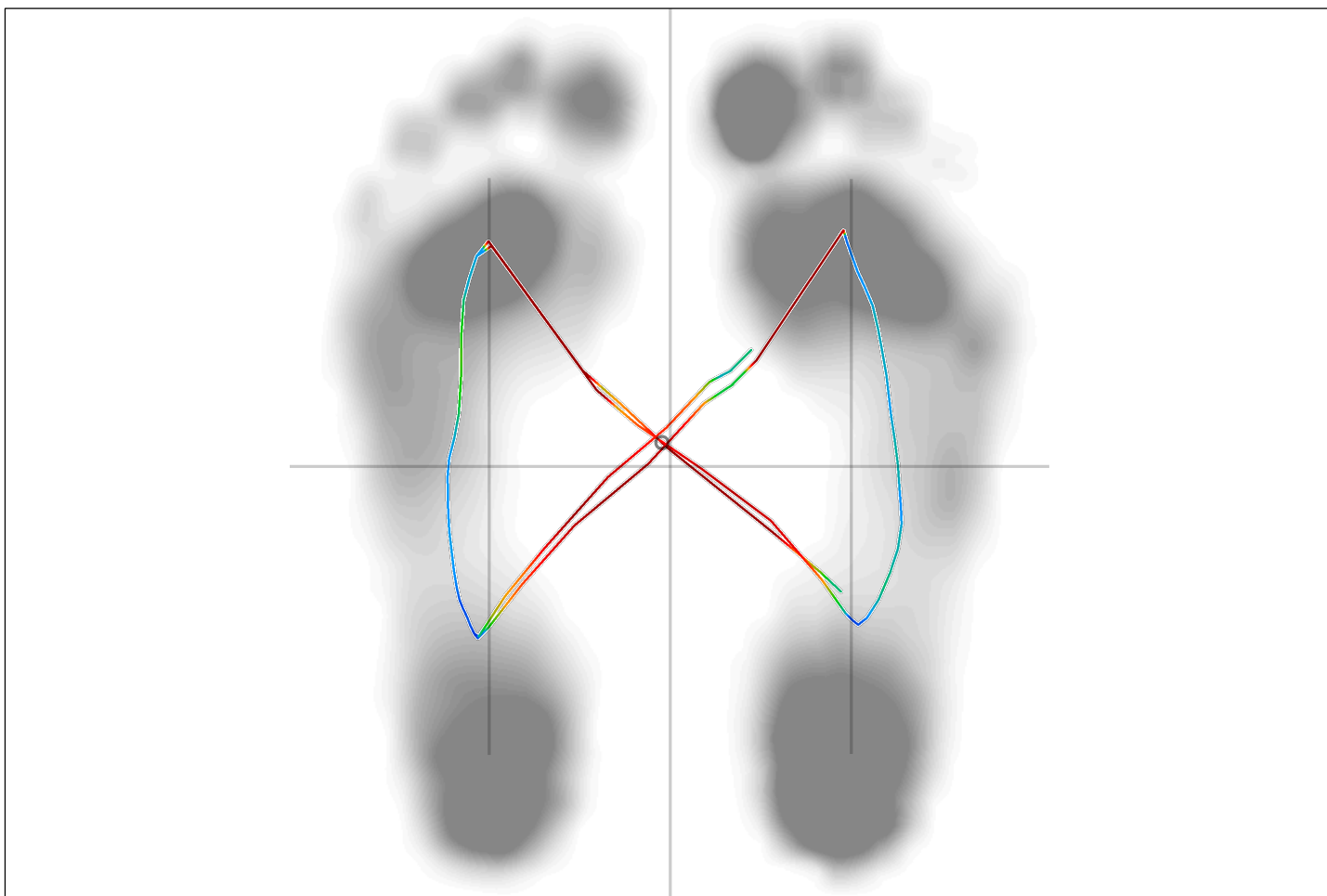
Stance phase, %	L	61,4		100 %
	R	64,6±1,5		
Load response, %	L	14,0		
	R	12,3		
Single limb support, %	L	35,1		
	R	38,6		
Pre-Swing, %	L	12,3		
	R	12,9±0,6		
Swing phase, %	L	38,6		
	R	35,4±1,5		
Double stance phase, %		25,4±0,9		

Timing

Step time, sec	L	0,58		1.2 sec
	R	0,56		
Stride time, sec		1,14		1.2 sec
Cadence, steps/min		104±2		120 steps/min
Velocity, km/h		4,3±0,1		5 km/h

COP analysis

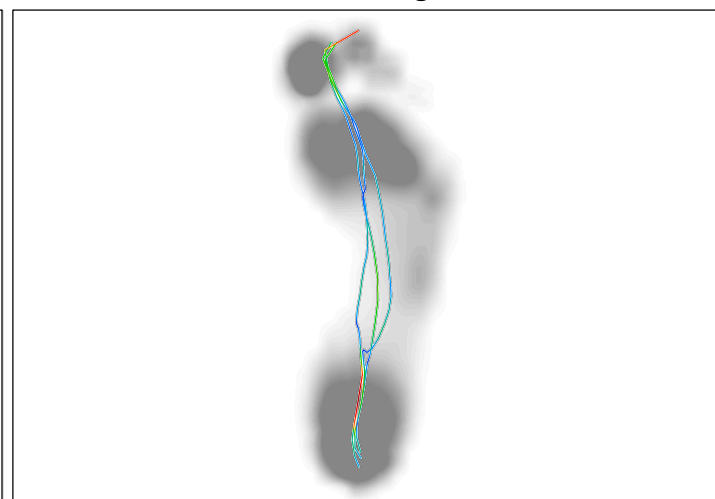
Butterfly



Gait line left



Gait line right

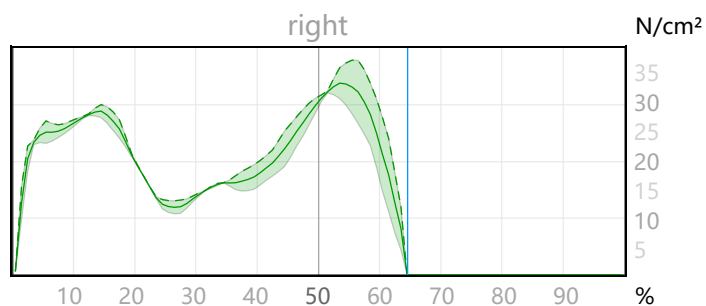
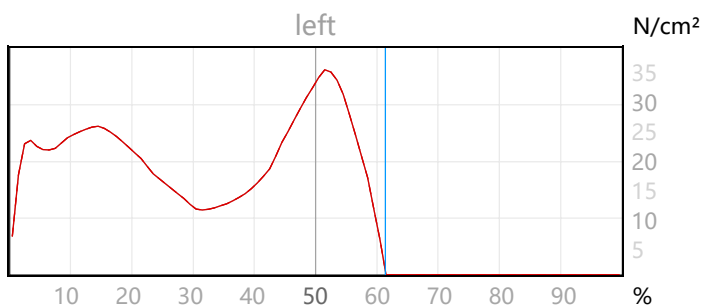


Butterfly parameters

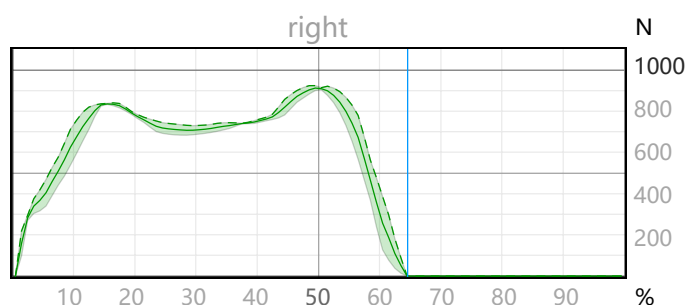
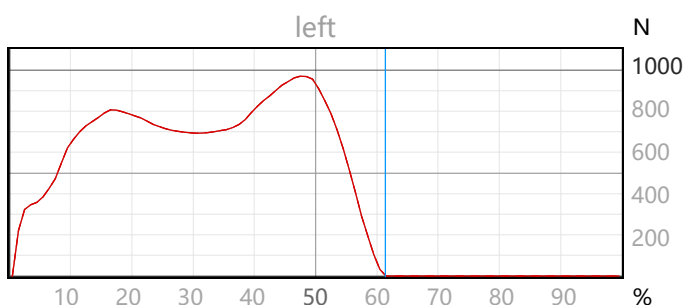
Length of gait line, mm	L	245,5±0,0	<div style="width: 81.8%;"></div>	300 mm
	R	247,8±1,7	<div style="width: 82.6%;"></div>	
Single limb support line, mm	L	123,6	<div style="width: 41.2%;"></div>	
	R	129,1	<div style="width: 43.0%;"></div>	
Ant/post position, mm		7,8±1,2	<div style="width: 5.2%;"></div>	-150 mm 150 mm
Lateral symmetry, mm		-2,7±1,6	<div style="width: -1.8%;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		113,6	<div style="width: 100%;"></div>	

Force and pressure

Pressure curves



Force curves



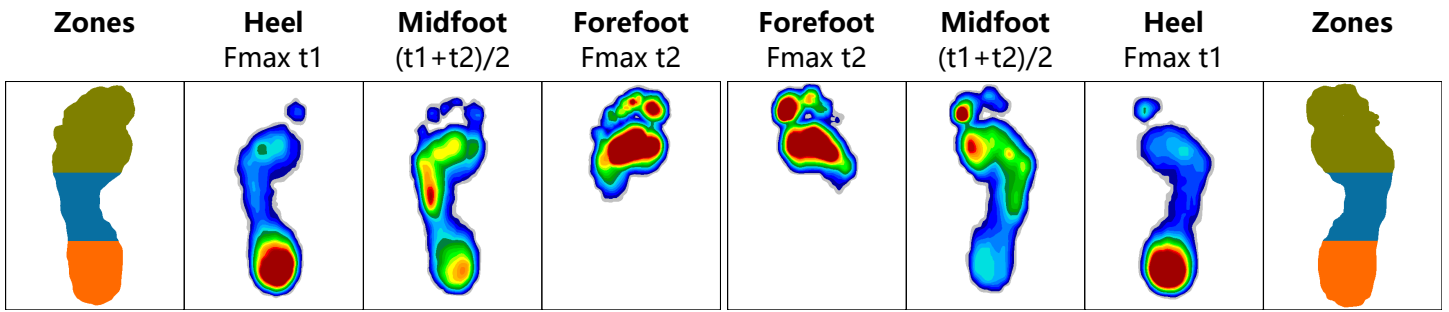
Force parameters

Maximum force1, N	L	806,5	<div style="width: 73%;"></div>	1100 N
	R	835,4	<div style="width: 76%;"></div>	
Time maximum force1, %	L	16	<div style="width: 16%;"></div>	100%
	R	15	<div style="width: 15%;"></div>	
Maximum force2, N	L	969,9	<div style="width: 88%;"></div>	1100 N
	R	912,4	<div style="width: 83%;"></div>	
Time maximum force2, %	L	47	<div style="width: 47%;"></div>	100%
	R	49	<div style="width: 49%;"></div>	

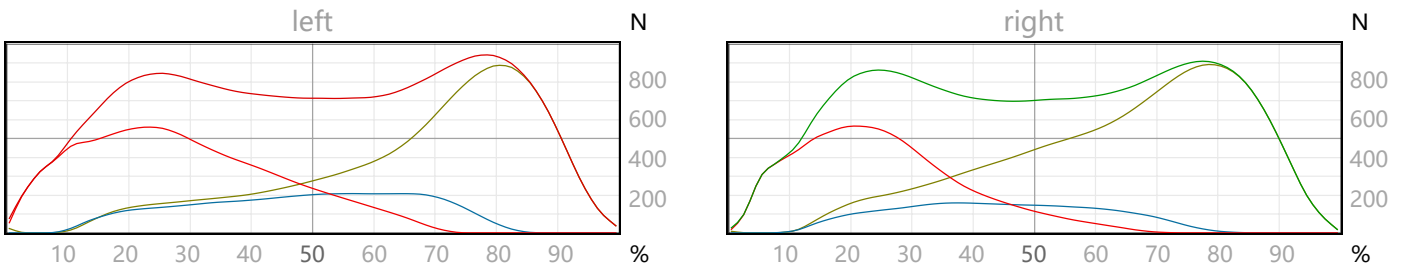
Fakulta sportovních studií Gait Report

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Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,33±0,05	0,4sec
	R	0,25±0,03	
Time change heel to forefoot, %	L	45,9±6,5	100%
	R	34,4±4,5	

Maximum force, N

Forefoot	L	891,2±21,0	1000 N
	R	895,9±13,1	
Midfoot	L	231,7±62,1	
	R	173,8±37,5	
Heel	L	566,2±9,4	
	R	577,7±20,0	

Maximum pressure, N/cm²

Forefoot	L	34,4±2,2	60 N/cm²
	R	42,3±7,6	
Midfoot	L	13,9±4,5	
	R	11,0±1,5	
Heel	L	28,0±0,9	
	R	28,9±1,3	

Time maximum force, % of stance time






Forefoot	L	77,8±1,3	100%
	R	76,7±0,8	
Midfoot	L	55,7±10,8	
	R	35,2±8,1	
Heel	L	20,1±2,0	
	R	18,5±1,6	

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Contact time, % of stance time

Forefoot	L	88,9±0,5	 100%
	R	87,0±1,3	
Midfoot	L	76,4±1,2	
	R	73,9±3,5	
Heel	L	66,7±2,3	
	R	63,1±4,0	