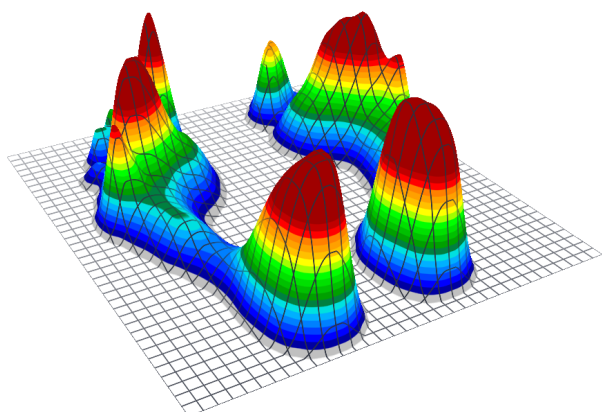


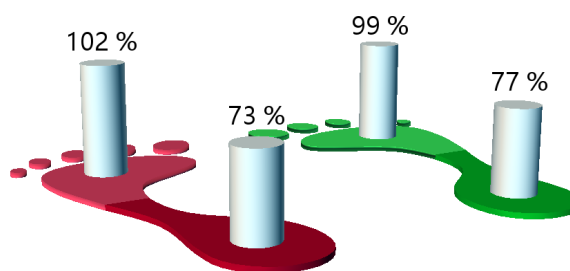
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

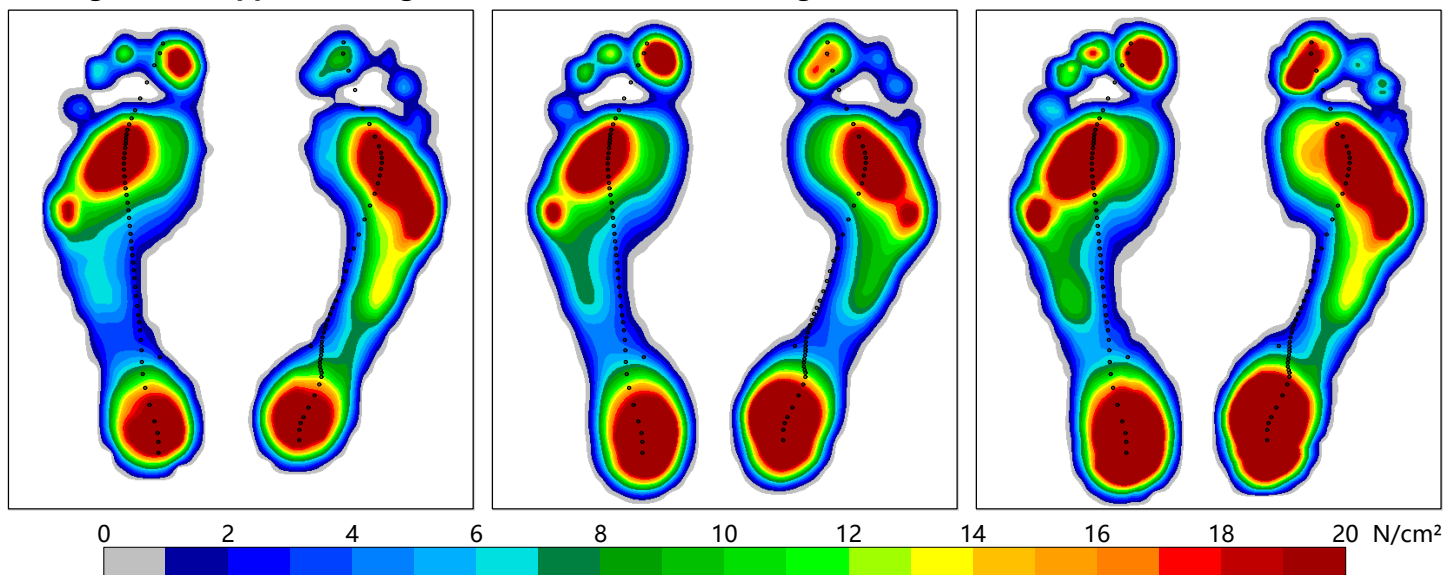


Pressure plots

Single limb support, average

Stance, average

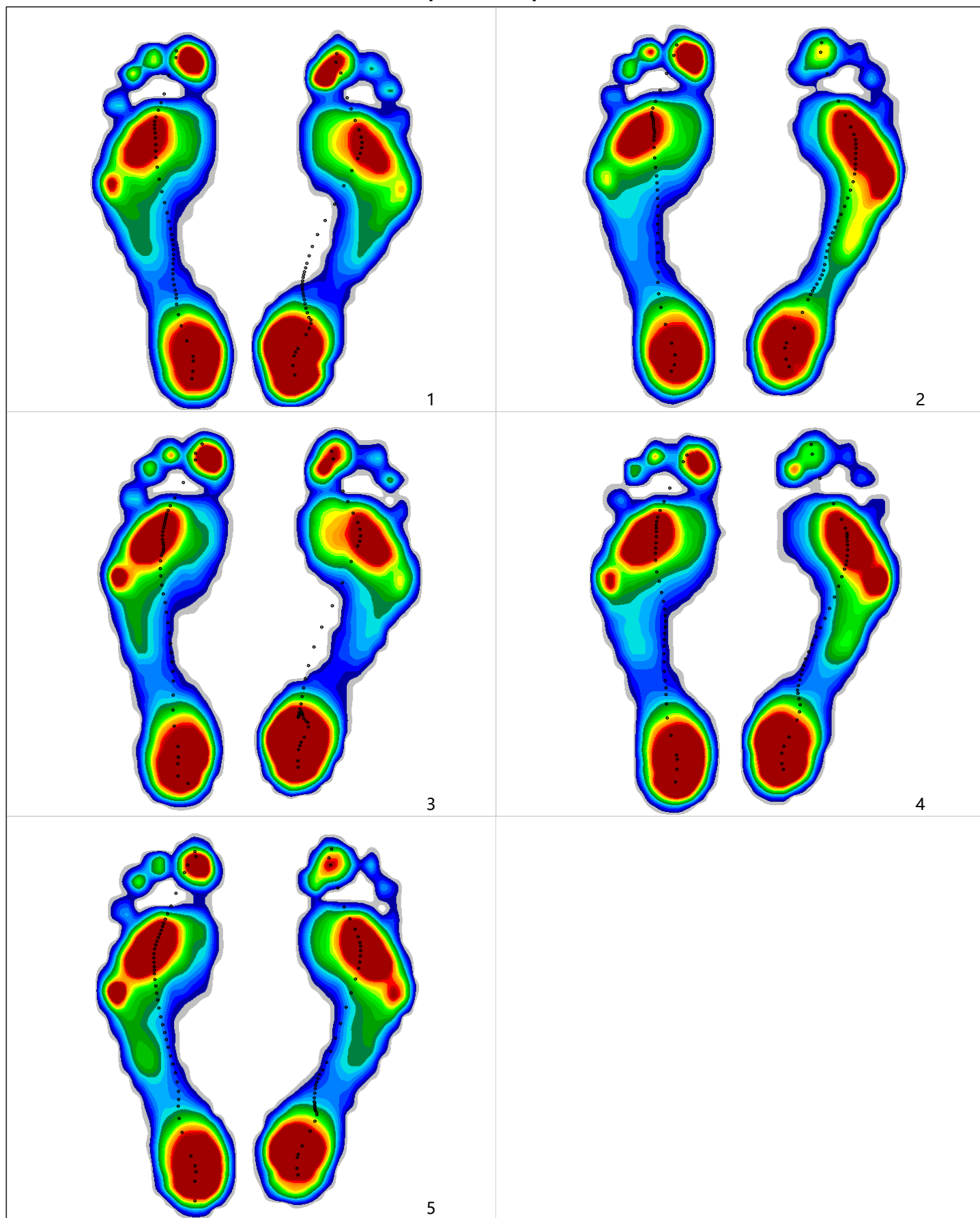
Stance, maximum



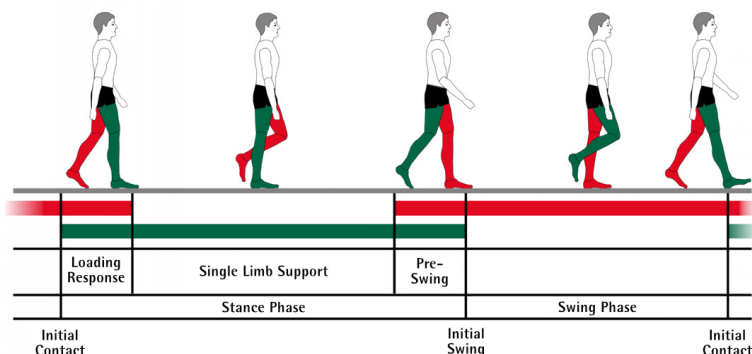
Fakulta sportovních studií Gait Report

Person: Stanislav Buchta, 17.05.2004
Record: 28.11.2024 12:48, Gait Analysis FDM, chuze

Separate footprints



Gait parameters



Geometry

Foot rotation, degree	L	3,7	-17°	17°
	R	14,9±0,5		
Step length, cm	L	64		140 cm
	R	69		
Stride length, cm		133		140 cm
Step width, cm		14±3		

Phases

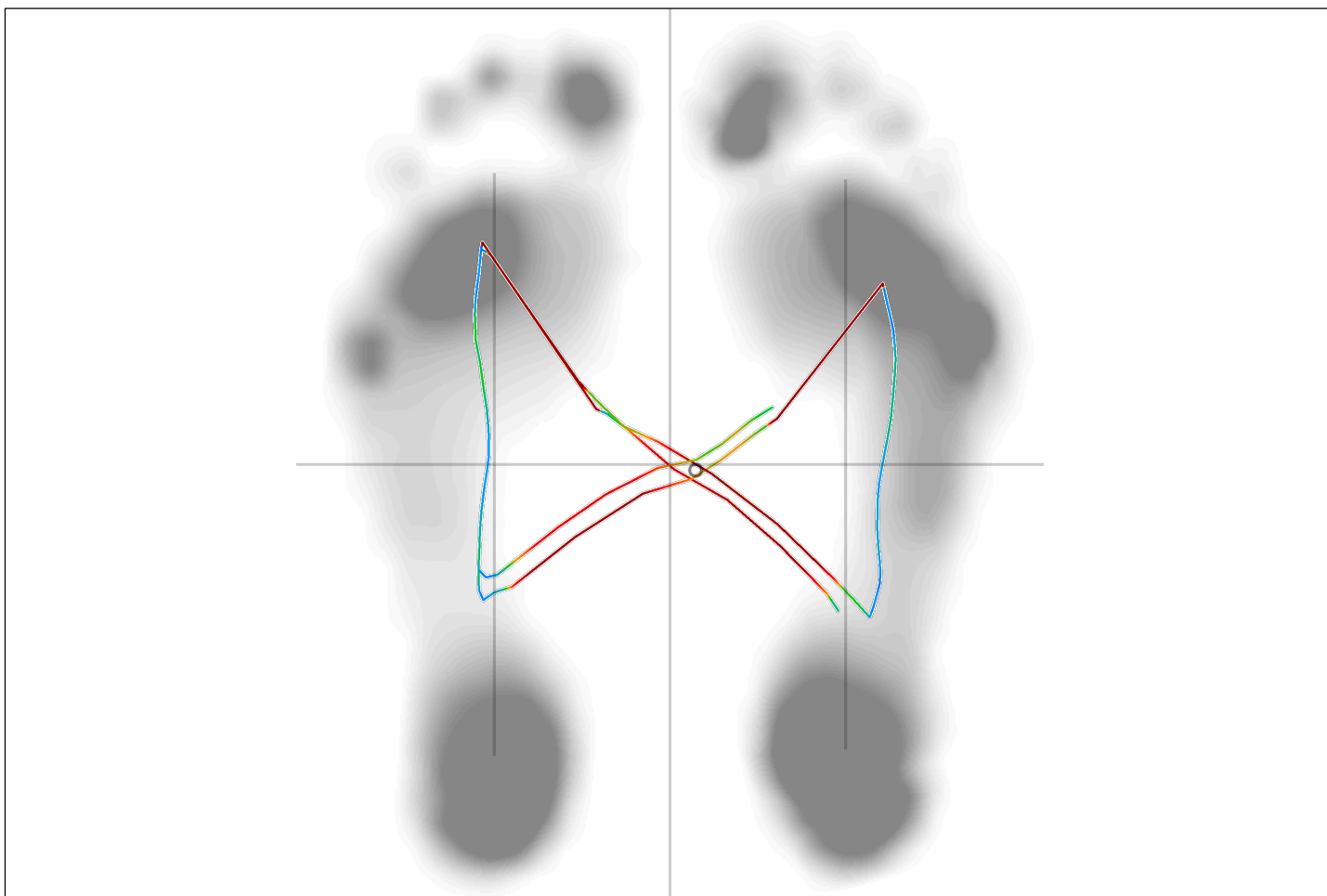
Stance phase, %	L	61,9		100 %
	R	67,7±1,0		
Load response, %	L	15,9		
	R	14,3		
Single limb support, %	L	31,7		
	R	38,1		
Pre-Swing, %	L	14,3		
	R	15,0±0,7		
Swing phase, %	L	38,1		
	R	32,3±1,0		
Double stance phase, %		29,4±0,8		

Timing

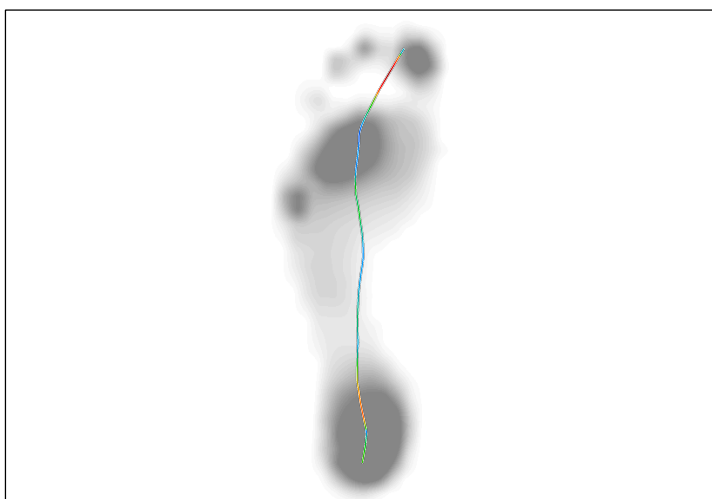
Step time, sec	L	0,66		1.4 sec
	R	0,60		
Stride time, sec		1,26		1.4 sec
Cadence, steps/min		95±1		110 steps/min
Velocity, km/h		3,8±0,0		5 km/h

COP analysis

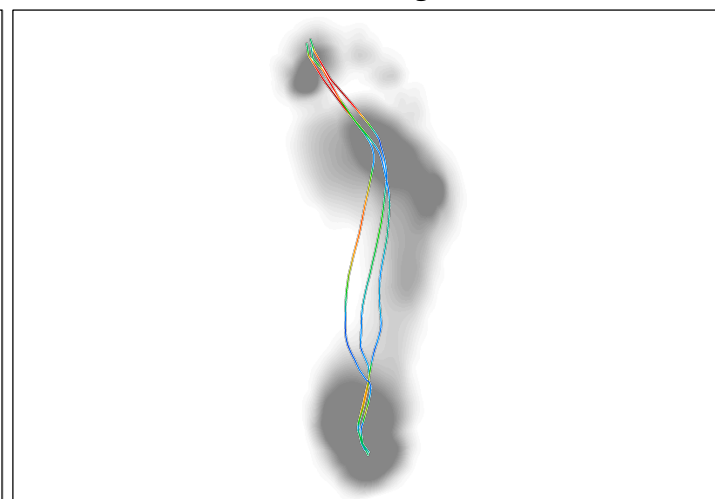
Butterfly



Gait line left



Gait line right

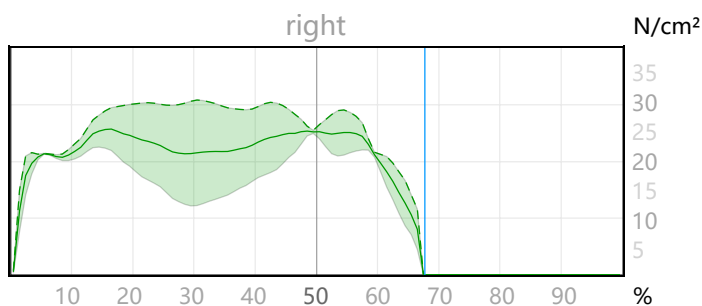
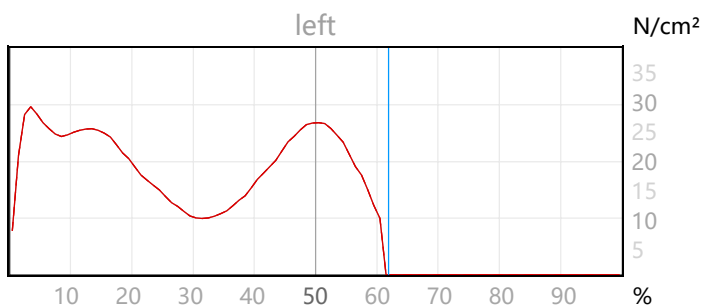


Butterfly parameters

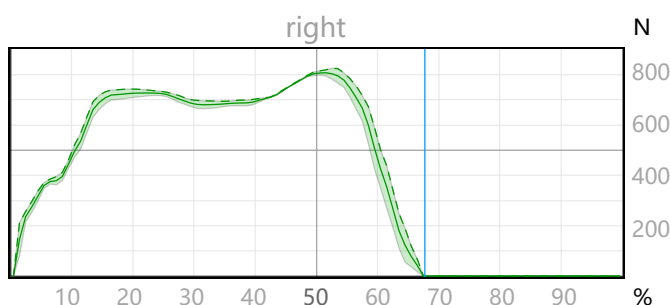
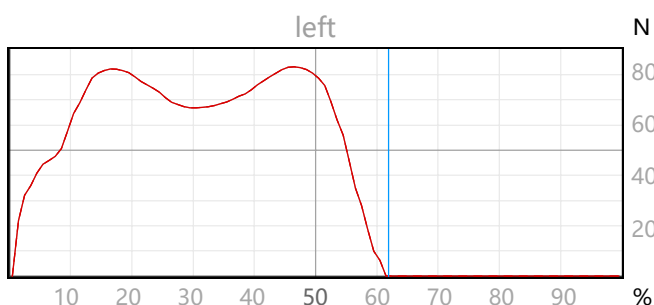
Length of gait line, mm	L	254,3±0,0	<div style="width: 84.8%;"></div>	300 mm
	R	251,7±1,2	<div style="width: 83.9%;"></div>	
Single limb support line, mm	L	109,0	<div style="width: 36.3%;"></div>	
	R	113,5	<div style="width: 37.8%;"></div>	
Ant/post position, mm		-2,0±2,5	<div style="width: 100%;"></div>	-150 mm 150 mm
Lateral symmetry, mm		8,7±2,4	<div style="width: 100%;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		115,5	<div style="width: 100%;"></div>	

Force and pressure

Pressure curves



Force curves



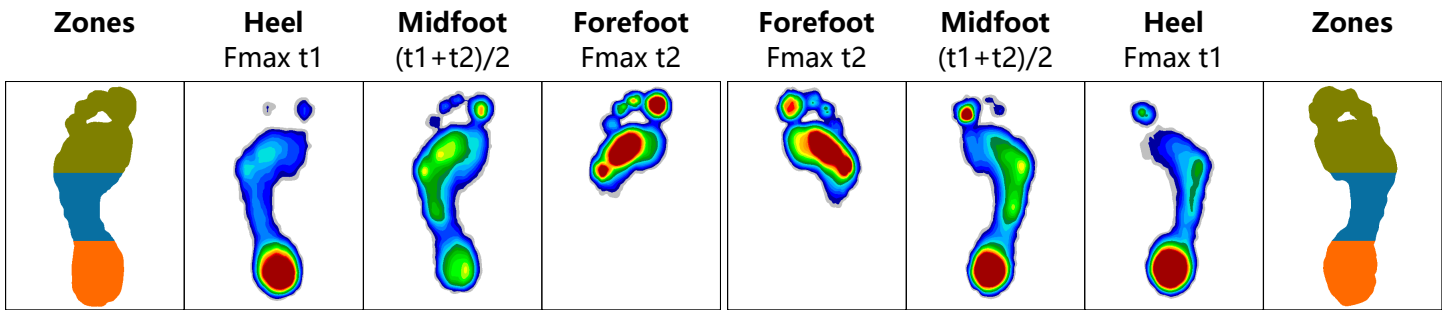
Force parameters

Maximum force1, N	L	822,4	<div style="width: 91.6%;"></div>	900 N
	R	727,0	<div style="width: 80.8%;"></div>	
Time maximum force1, %	L	16	<div style="width: 16%;"></div>	100%
	R	22	<div style="width: 22%;"></div>	
Maximum force2, N	L	830,9	<div style="width: 92.3%;"></div>	900 N
	R	807,3	<div style="width: 89.7%;"></div>	
Time maximum force2, %	L	46	<div style="width: 46%;"></div>	100%
	R	51	<div style="width: 51%;"></div>	

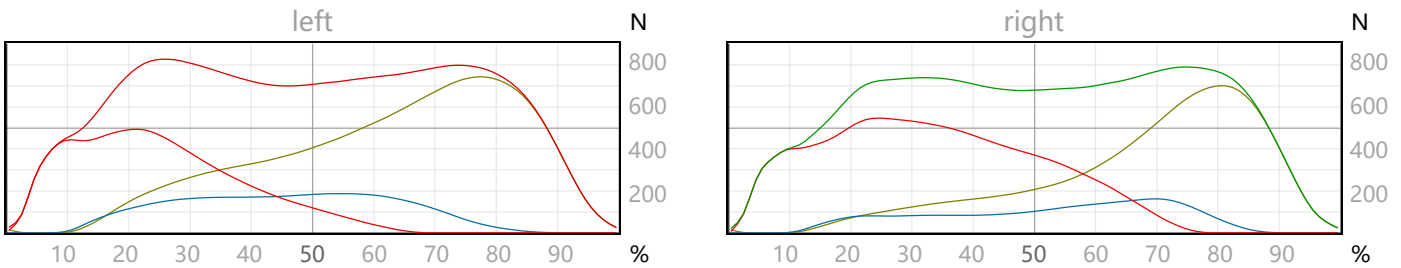
Fakulta sportovních studií Gait Report

Person: Stanislav Buchta, 17.05.2004
 Record: 28.11.2024 12:48, Gait Analysis FDM, chuze

Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,28±0,06		0.6 sec
	R	0,46±0,08		
Time change heel to forefoot, %	L	33,1±6,1		100%
	R	53,4±9,0		

Maximum force, N

Forefoot	L	752,0±14,3		900 N
	R	711,7±16,5		
Midfoot	L	211,0±21,9		
	R	203,7±46,5		
Heel	L	506,9±10,0		
	R	551,4±56,6		

Maximum pressure, N/cm²

Forefoot	L	29,6±2,5		40 N/cm ²
	R	29,9±4,4		
Midfoot	L	19,7±6,7		
	R	16,4±5,9		
Heel	L	28,0±2,0		
	R	28,8±4,8		

Time maximum force, % of stance time

Forefoot	L	74,7±2,2		100%
	R	78,0±2,3		
Midfoot	L	51,8±7,5		
	R	65,4±5,6		
Heel	L	16,8±4,8		
	R	23,8±2,7		






Fakulta sportovních studií Gait Report

Person: Stanislav Buchta, 17.05.2004

Record: 28.11.2024 12:48, Gait Analysis FDM, chuze

MUNI
SPORT

Contact time, % of stance time

Forefoot	L	88,7±0,9	 100%
	R	87,4±1,3	
Midfoot	L	76,6±2,1	
	R	76,7±1,6	
Heel	L	56,5±5,3	
	R	67,8±4,5	