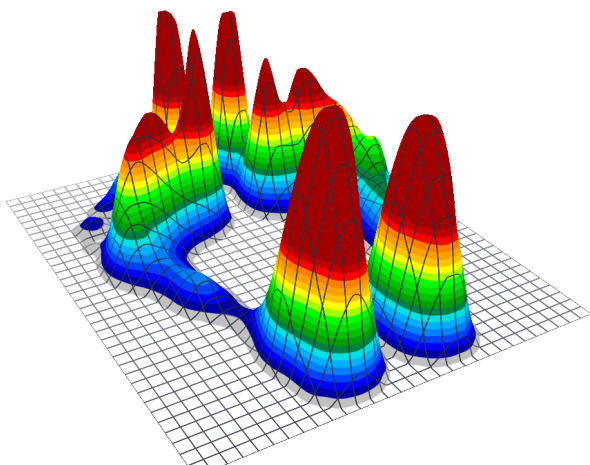


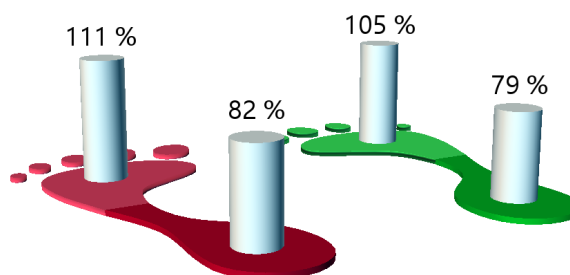
Pressure plot 3d

Stance, average



Force forefoot/backfoot

Max load (% of body weight)

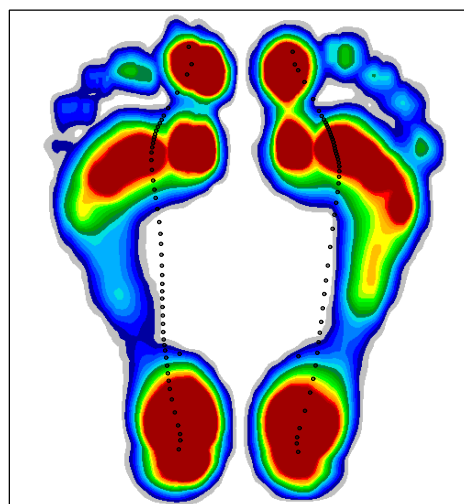
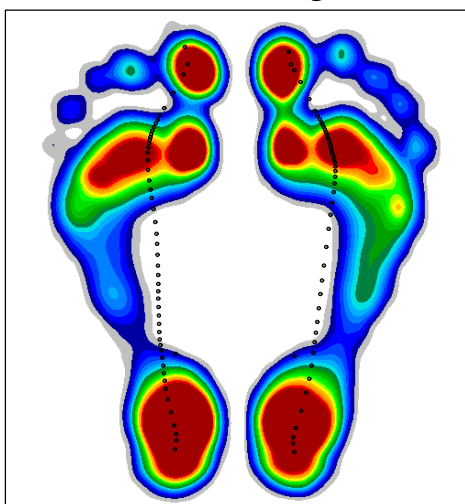
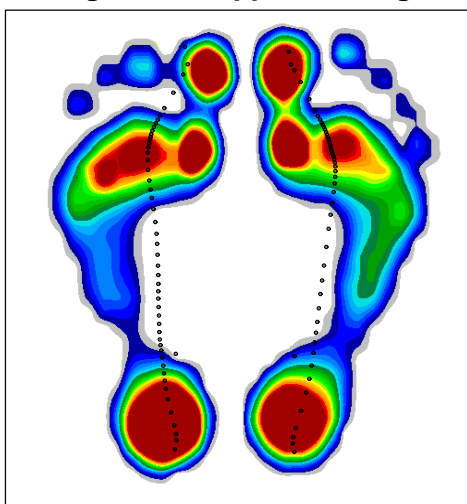


Pressure plots

Single limb support, average

Stance, average

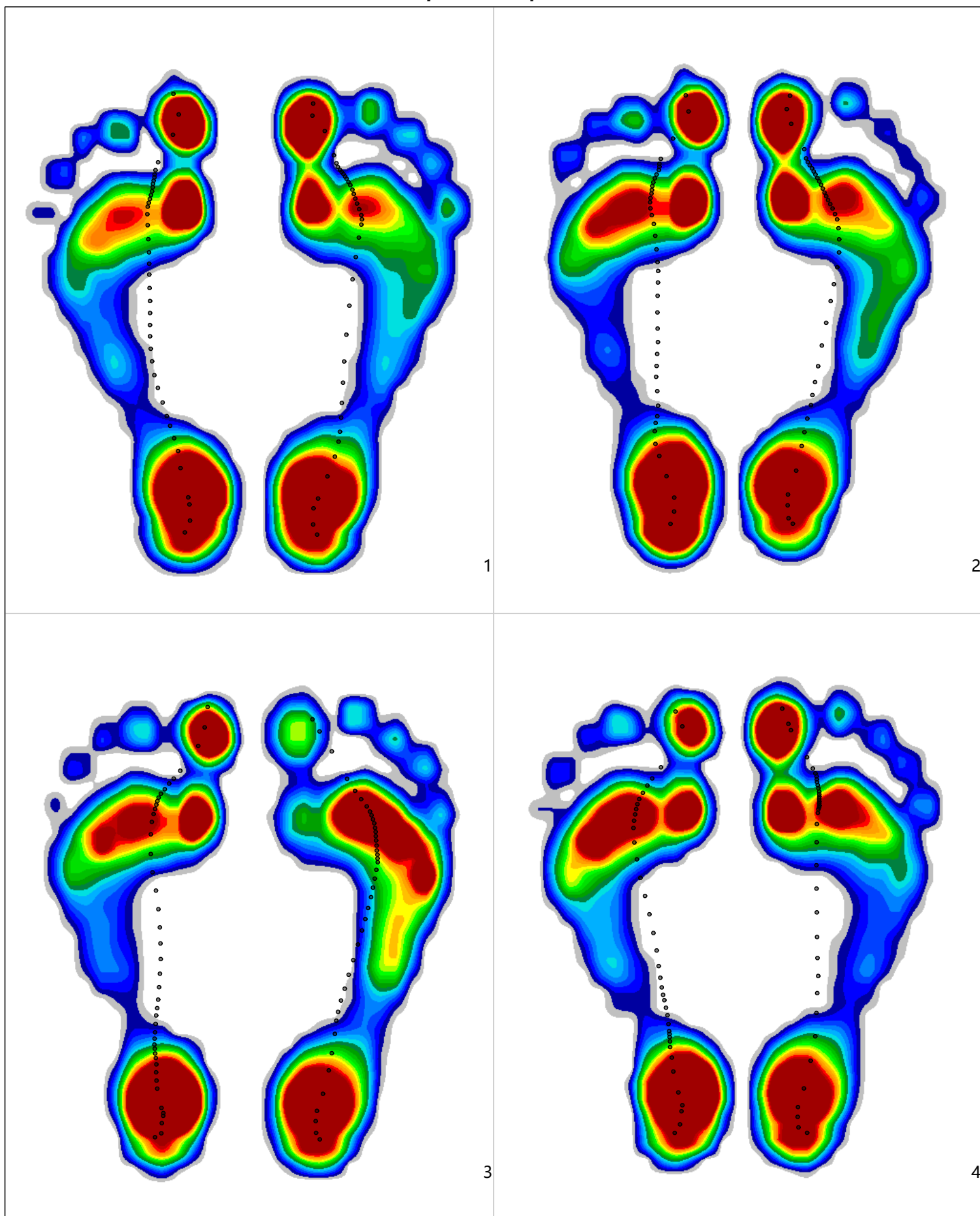
Stance, maximum



Fakulta sportovních studií Gait Report

Person: Vojtěch Humler, 27.02.2002
Record: 28.11.2024 12:00, Gait Analysis FDM, chuze

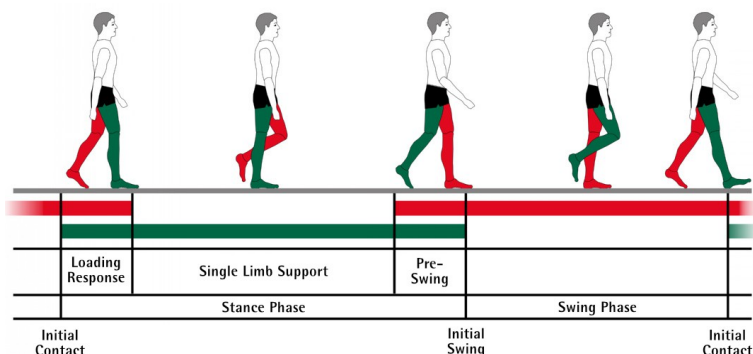
Separate footprints



Fakulta sportovních studií Gait Report

Person: Vojtěch Humler, 27.02.2002
 Record: 28.11.2024 12:00, Gait Analysis FDM, chuze

Gait parameters



Geometry

Foot rotation, degree	L	2,7	-9°	9°
	R	8,1±0,0		
Step length, cm	L	67		140 cm
	R	65		
Stride length, cm		132		140 cm
Step width, cm		9±2	H	

Phases

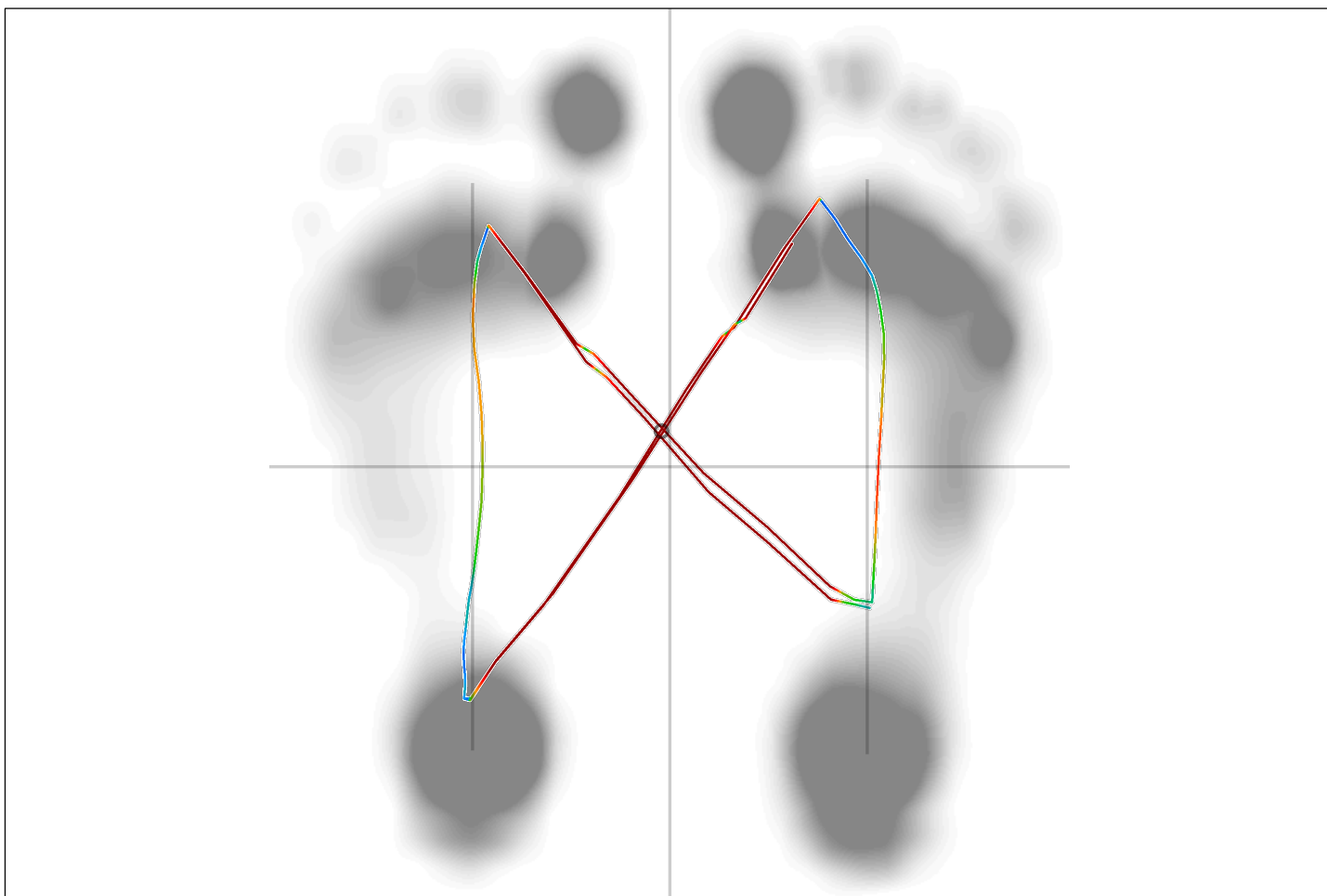
Stance phase, %	L	64,7		100 %
	R	59,4±0,9		
Load response, %	L	11,8		
	R	13,2		
Single limb support, %	L	39,7		
	R	35,3		
Pre-Swing, %	L	13,2		
	R	12,0±0,3		
Swing phase, %	L	35,3		
	R	40,6±0,9		
Double stance phase, %		25,0±0,0		

Timing

Step time, sec	L	0,66		1.5 sec
	R	0,70		
Stride time, sec		1,36		1.5 sec
Cadence, steps/min		90±2		100 steps/min
Velocity, km/h		3,6±0,1		4 km/h

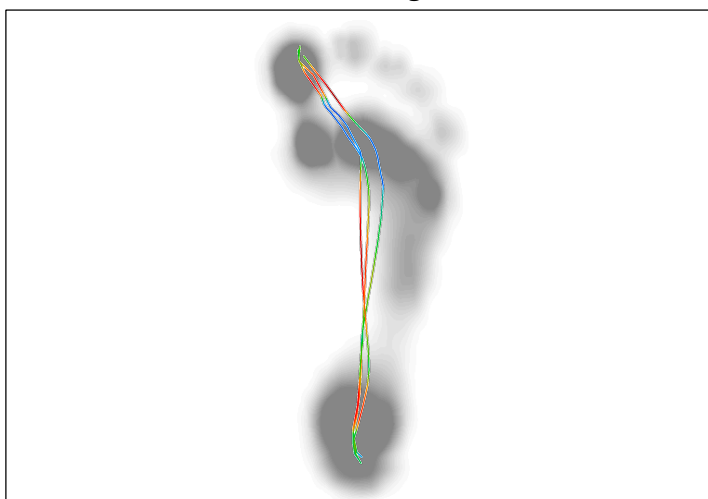
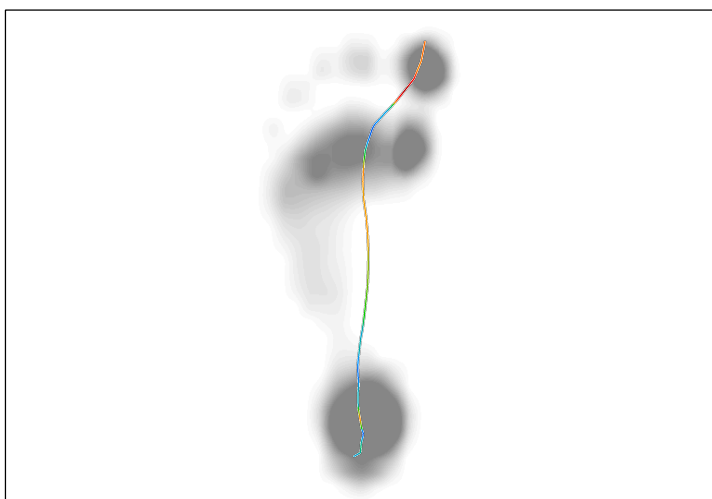
COP analysis

Butterfly



Gait line left

Gait line right

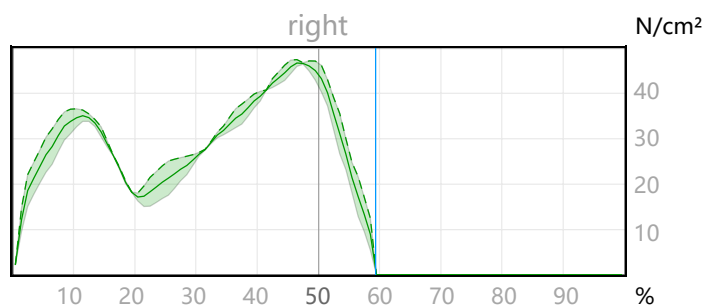
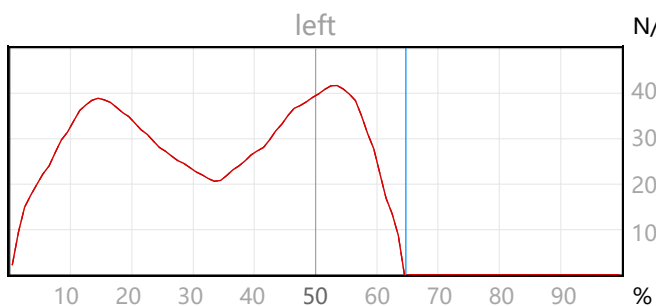


Butterfly parameters

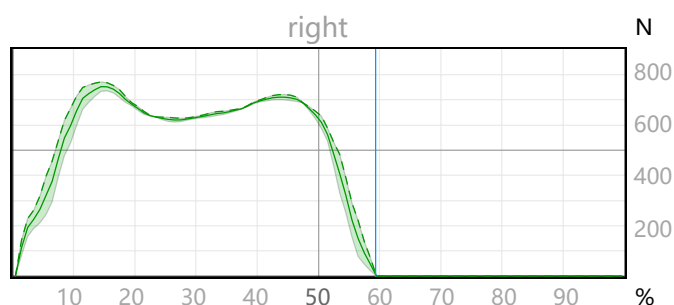
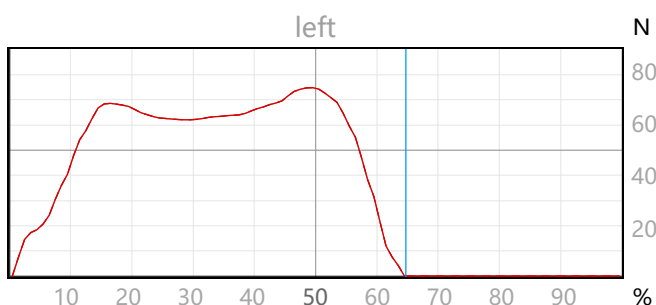
Length of gait line, mm	L	239,6±0,0	<div style="width: 80%;"></div>	300 mm
	R	237,4±2,6	<div style="width: 79%;"></div>	
Single limb support line, mm	L	150,8	<div style="width: 50%;"></div>	
	R	123,4	<div style="width: 41%;"></div>	
Ant/post position, mm		11,4±0,8	<div style="width: 10%;"></div>	-150 mm 150 mm
Lateral symmetry, mm		-2,7±0,7	<div style="width: 5%;"></div>	-21 mm 21 mm
Max gait line velocity, cm/sec		85,1	<div style="width: 100%;"></div>	

Force and pressure

Pressure curves



Force curves



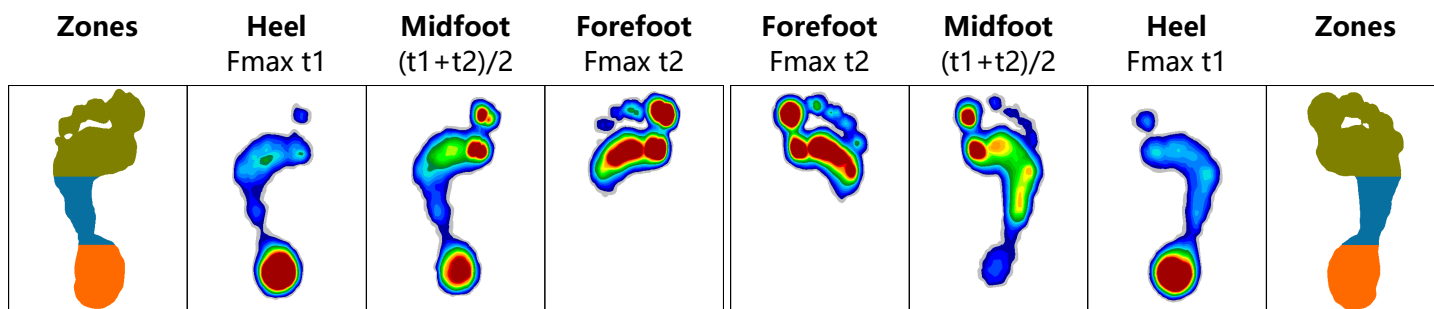
Force parameters

Maximum force1, N	L	685,7	<div style="width: 76.2%;"></div>	900 N
	R	752,2	<div style="width: 83.6%;"></div>	
Time maximum force1, %	L	16	<div style="width: 16%;"></div>	100%
	R	14	<div style="width: 14%;"></div>	
Maximum force2, N	L	748,1	<div style="width: 83.2%;"></div>	900 N
	R	710,4	<div style="width: 78.9%;"></div>	
Time maximum force2, %	L	49	<div style="width: 49%;"></div>	100%
	R	43	<div style="width: 43%;"></div>	

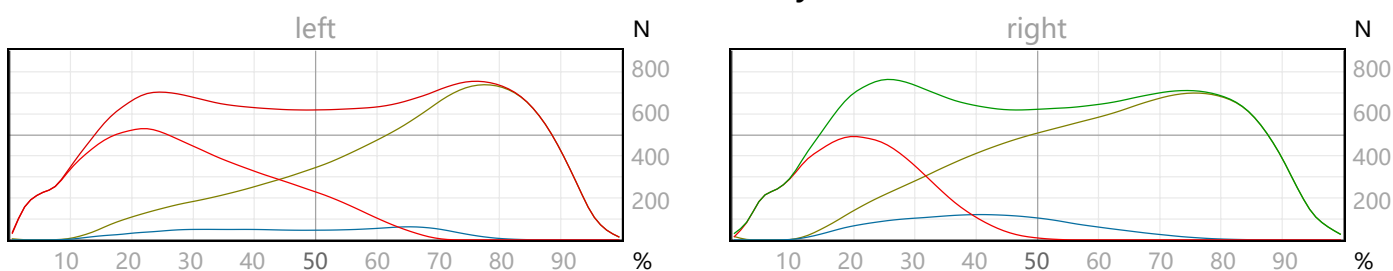
Fakulta sportovních studií Gait Report

Person: Vojtěch Humler, 27.02.2002
 Record: 28.11.2024 12:00, Gait Analysis FDM, chuze

Three foot zone analysis



Force overlay



Load change

Time change heel to forefoot, sec	L	0,34±0,08	0.5 sec
	R	0,23±0,02	
Time change heel to forefoot, %	L	41,9±8,8	100%
	R	29,4±1,4	

Maximum force, N

Forefoot	L	744,2±7,7	900 N
	R	701,3±14,0	
Midfoot	L	83,8±16,9	
	R	131,6±44,0	
Heel	L	543,0±21,4	
	R	498,4±31,6	

Maximum pressure, N/cm²

Forefoot	L	46,4±8,6	60 N/cm²
	R	42,0±6,8	
Midfoot	L	8,6±2,3	
	R	11,0±4,9	
Heel	L	37,9±1,1	
	R	33,1±3,3	

Time maximum force, % of stance time






Forefoot	L	75,0±1,3	100%
	R	73,1±1,4	
Midfoot	L	46,8±18,4	
	R	36,7±7,1	
Heel	L	18,9±2,3	
	R	16,9±0,8	

Fakulta sportovních studií Gait Report

Person: Vojtěch Humler, 27.02.2002

Record: 28.11.2024 12:00, Gait Analysis FDM, chuze

Contact time, % of stance time

Forefoot	L	87,9±2,5		100%
	R	88,1±0,8		
Midfoot	L	72,1±3,6		
	R	67,4±3,9		
Heel	L	64,6±3,1		
	R	46,2±2,4	