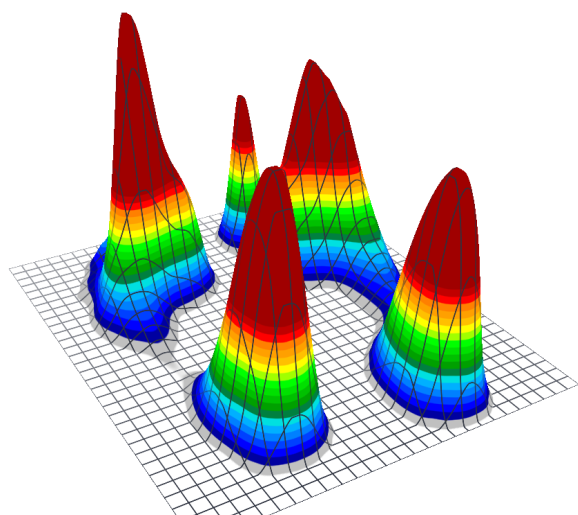


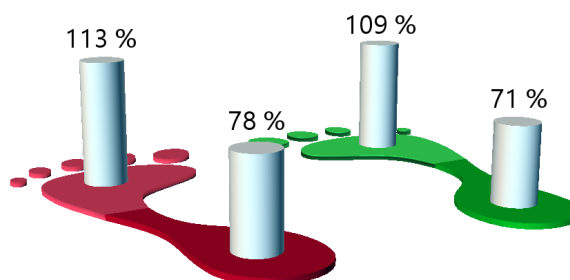
## Pressure plot 3d

Stance, average



## Force forefoot/backfoot

Max load (% of body weight)

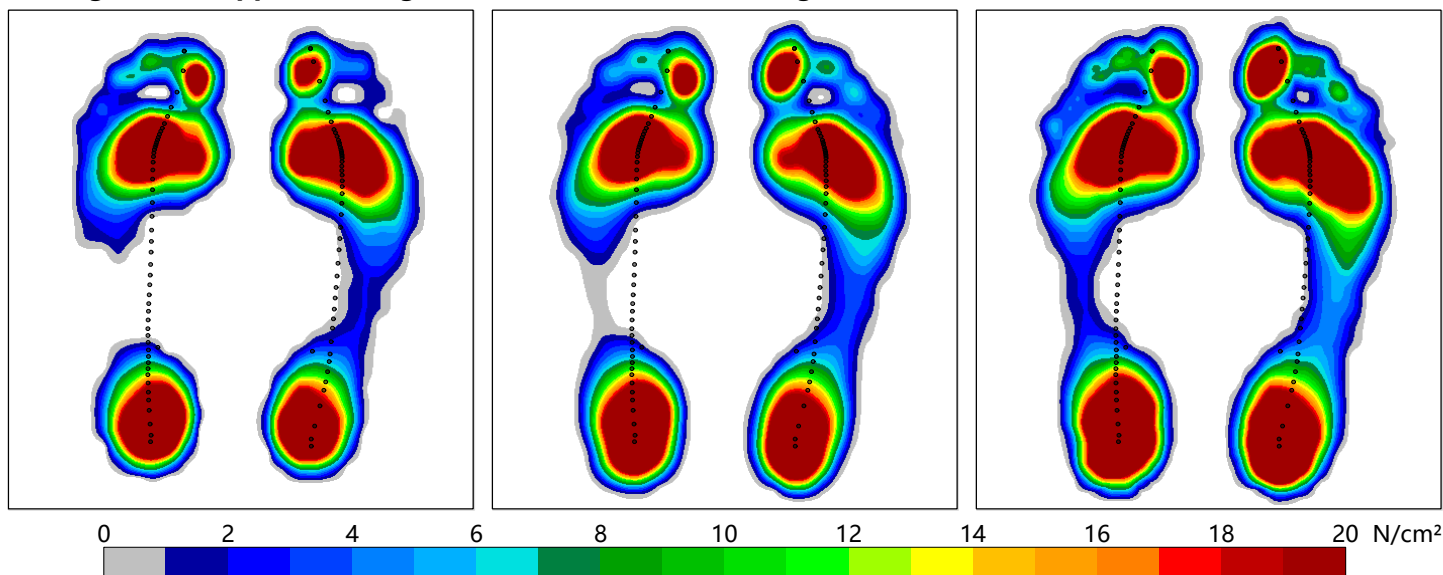


## Pressure plots

Single limb support, average

Stance, average

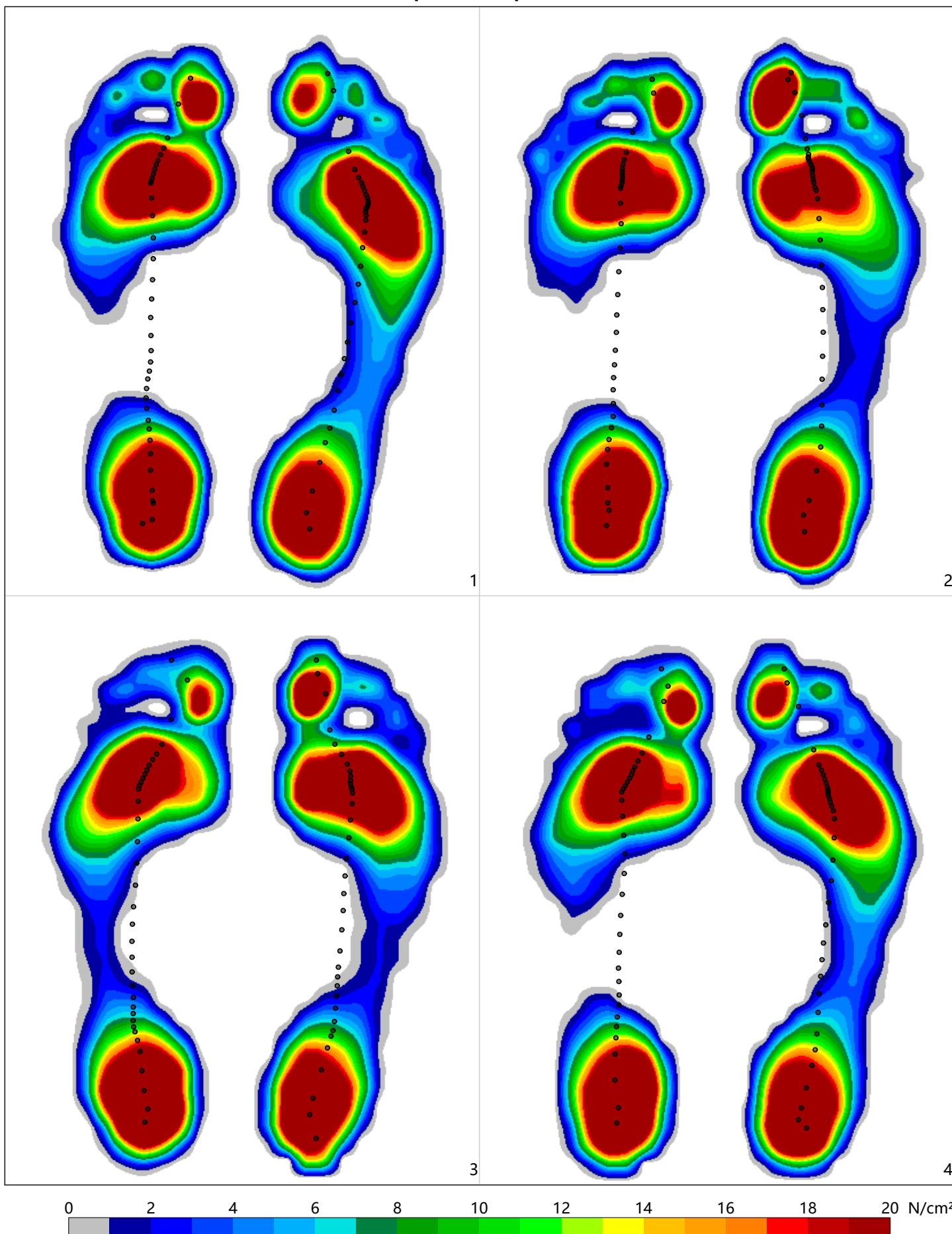
Stance, maximum



# Fakulta sportovních studií Gait Report

Person: Anna Bajčíková, 27.03.2005  
Record: 28.11.2024 12:03, Gait Analysis FDM, chuze

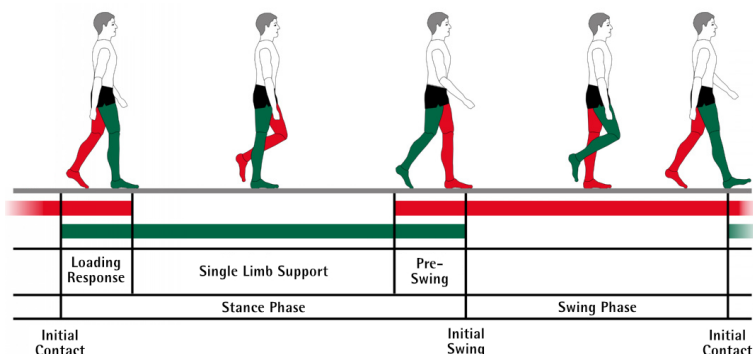
## Separate footprints



# Fakulta sportovních studií Gait Report

Person: Anna Bajčíková, 27.03.2005  
 Record: 28.11.2024 12:03, Gait Analysis FDM, chuze

## Gait parameters



### Geometry

Foot rotation, degree	L	0,4±0,8	-7°		7°
	R	6,1			
Step length, cm	L	66			140 cm
	R	66			
Stride length, cm		132			140 cm
Step width, cm		11±2			

### Phases

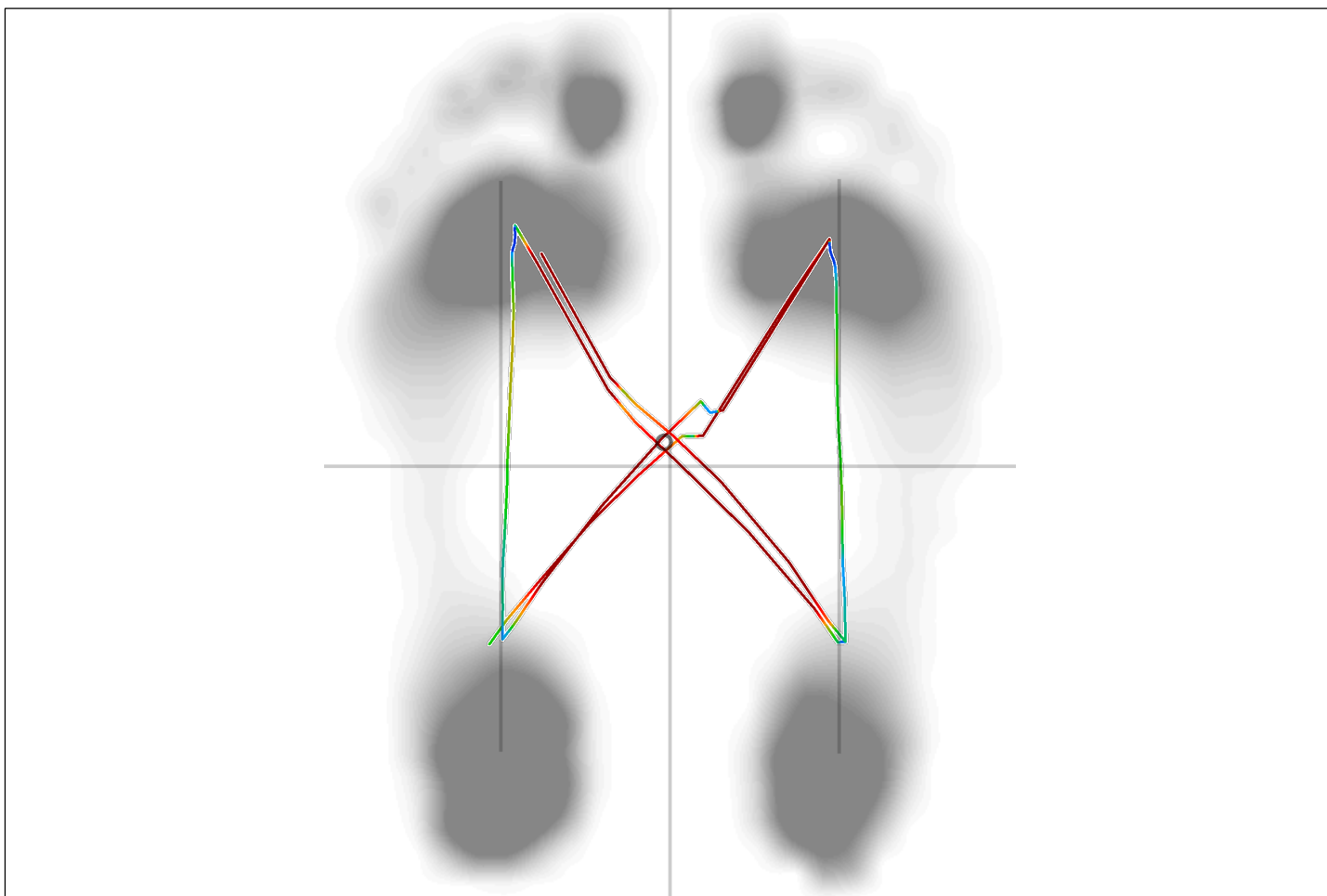
Stance phase, %	L	63,1±0,6		100 %
	R	64,3		
Load response, %	L	14,3		
	R	12,5		
Single limb support, %	L	35,7		
	R	37,5		
Pre-Swing, %	L	12,3±0,2		
	R	14,3		
Swing phase, %	L	36,9±0,6		
	R	35,7		
Double stance phase, %		26,8±0,0		

### Timing

Step time, sec	L	0,56		1.2 sec
	R	0,56		
Stride time, sec		1,12		1.2 sec
Cadence, steps/min		106±2		120 steps/min
Velocity, km/h		4,2±0,1		5 km/h

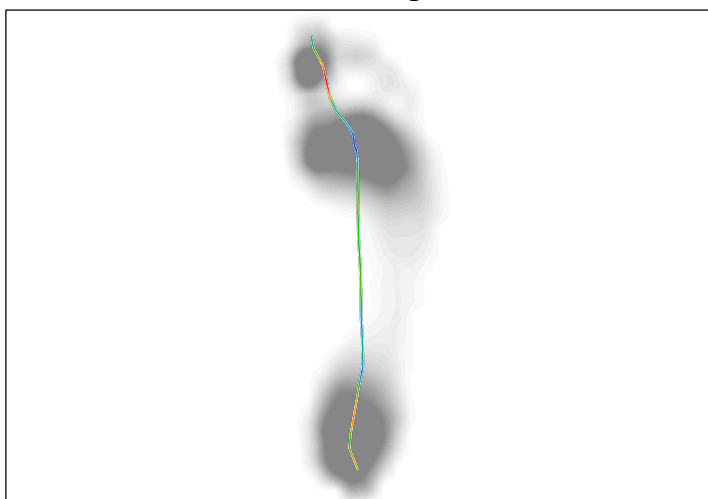
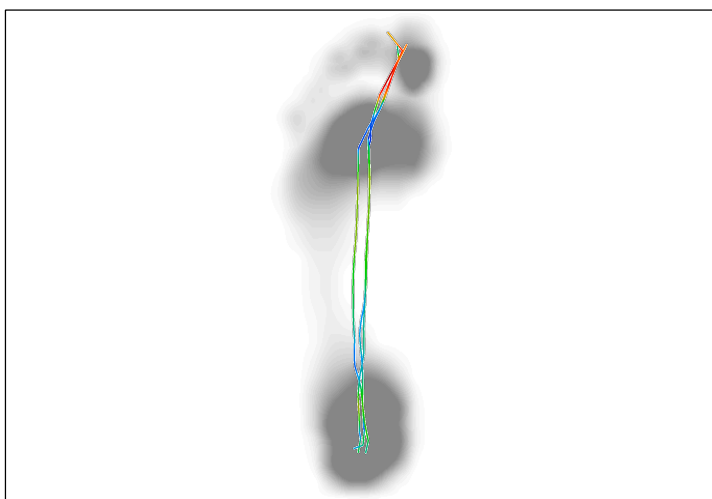
## COP analysis

### Butterfly



Gait line left

Gait line right

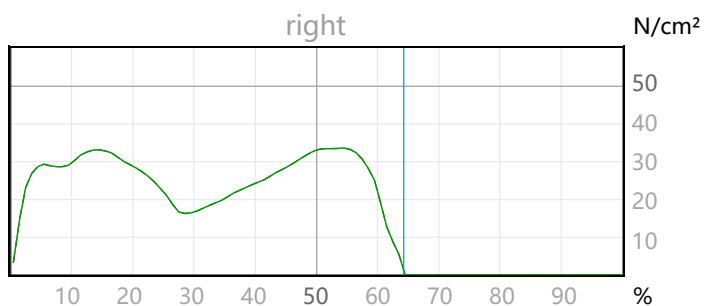
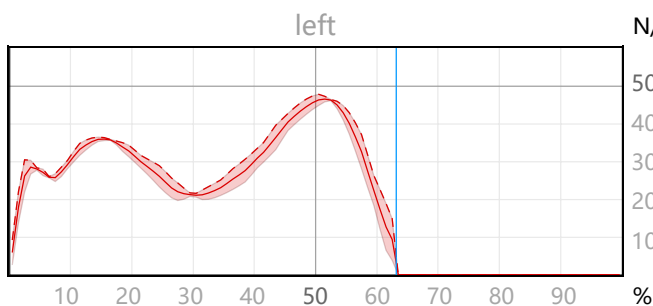


### Butterfly parameters

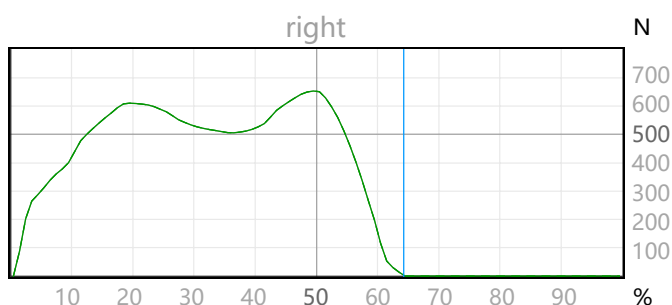
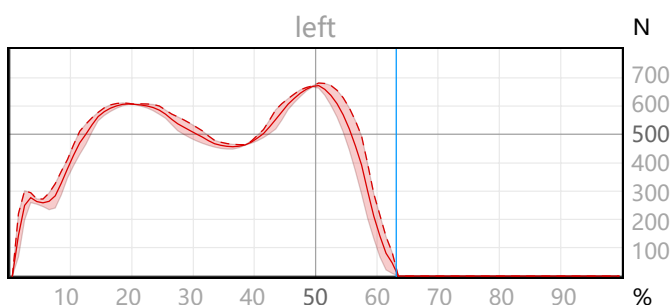
Length of gait line, mm	L	210,4±3,6	<div style="width: 96%; background-color: red;"></div> 240 mm
	R	223,1±0,0	<div style="width: 93%; background-color: green;"></div>
Single limb support line, mm	L	114,2	<div style="width: 47.6%; background-color: red;"></div>
	R	114,5	<div style="width: 47.7%; background-color: green;"></div>
Ant/post position, mm		6,8±2,2	<div style="width: 5.7%; background-color: blue;"></div> -120 mm 120 mm
Lateral symmetry, mm		-1,7±1,3	<div style="width: 1.4%; background-color: blue;"></div> -21 mm 21 mm
Max gait line velocity, cm/sec		103,5	<div style="width: 43.1%; background-color: blue;"></div>

## Force and pressure

### Pressure curves



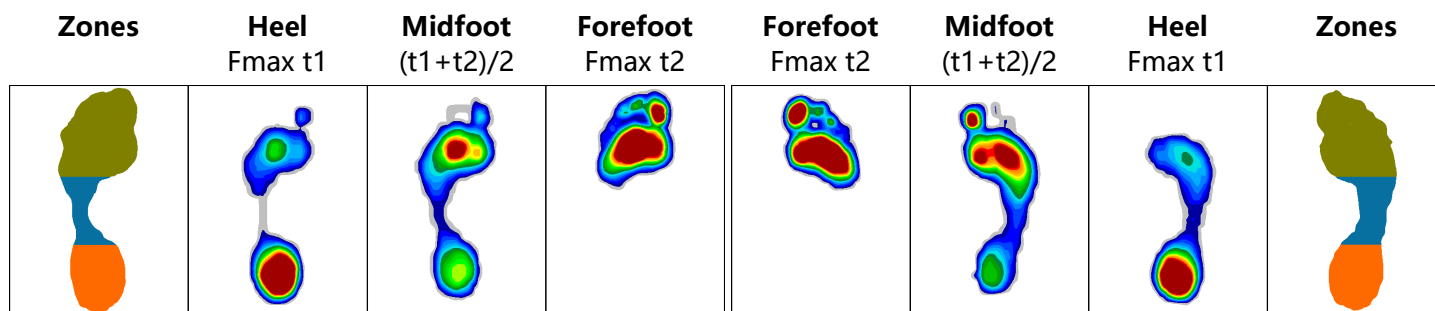
### Force curves



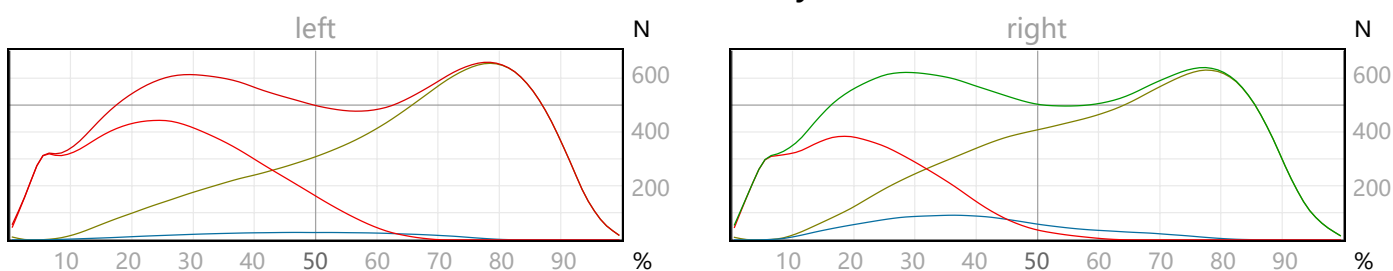
### Force parameters

Maximum force1, N	L	607,5	<div style="width: 75%;"></div>	800 N
	R	610,2	<div style="width: 76%;"></div>	
Time maximum force1, %	L	19	<div style="width: 19%;"></div>	100%
	R	19	<div style="width: 19%;"></div>	
Maximum force2, N	L	672,4	<div style="width: 84%;"></div>	800 N
	R	653,1	<div style="width: 81%;"></div>	
Time maximum force2, %	L	50	<div style="width: 50%;"></div>	100%
	R	49	<div style="width: 49%;"></div>	

## Three foot zone analysis



### Force overlay



### Load change

Time change heel to forefoot, sec	L	0,29±0,04	0.4 sec
	R	0,21±0,04	
Time change heel to forefoot, %	L	40,7±5,0	100%
	R	29,5±5,0	

### Maximum force, N

Forefoot	L	661,7±15,3	700 N
	R	632,3±15,4	
Midfoot	L	29,8±16,8	
	R	97,8±27,2	
Heel	L	447,7±7,2	
	R	392,8±10,5	

### Maximum pressure, N/cm²

Forefoot	L	50,1±4,0	60 N/cm²
	R	38,4±2,7	
Midfoot	L	6,5±1,8	
	R	12,0±2,9	
Heel	L	37,3±1,1	
	R	35,4±3,6	

### Time maximum force, % of stance time

Forefoot	L	76,0±1,9	100%
	R	75,3±1,4	
Midfoot	L	48,2±10,7	
	R	34,5±5,7	
Heel	L	21,1±2,7	
	R	16,2±3,5	






# Fakulta sportovních studií Gait Report

Person: Anna Bajčíková, 27.03.2005

Record: 28.11.2024 12:03, Gait Analysis FDM, chuze

MUNI  
SPORT

## Contact time, % of stance time

Forefoot	L	89,5±2,1	 100%
	R	90,8±1,3	
Midfoot	L	69,0±3,6	
	R	71,8±6,9	
Heel	L	60,4±4,0	
	R	49,9±6,8	