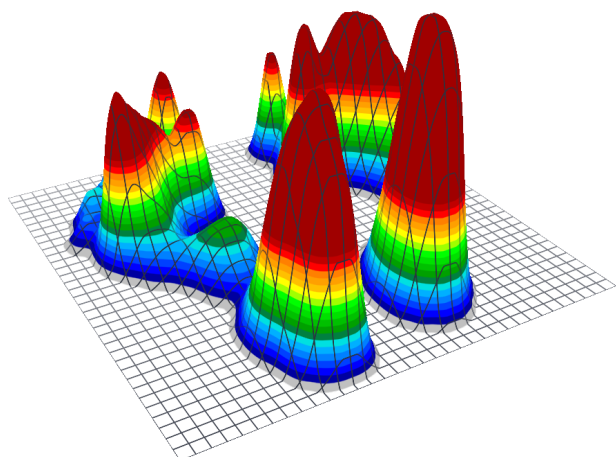


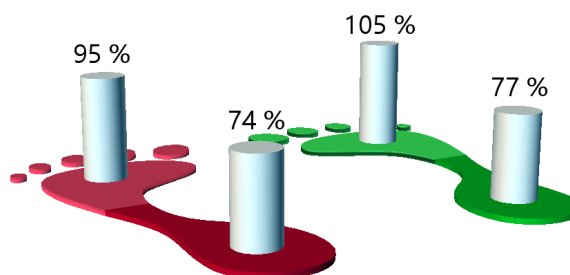
## Pressure plot 3d

Stance, average



## Force forefoot/backfoot

Max load (% of body weight)

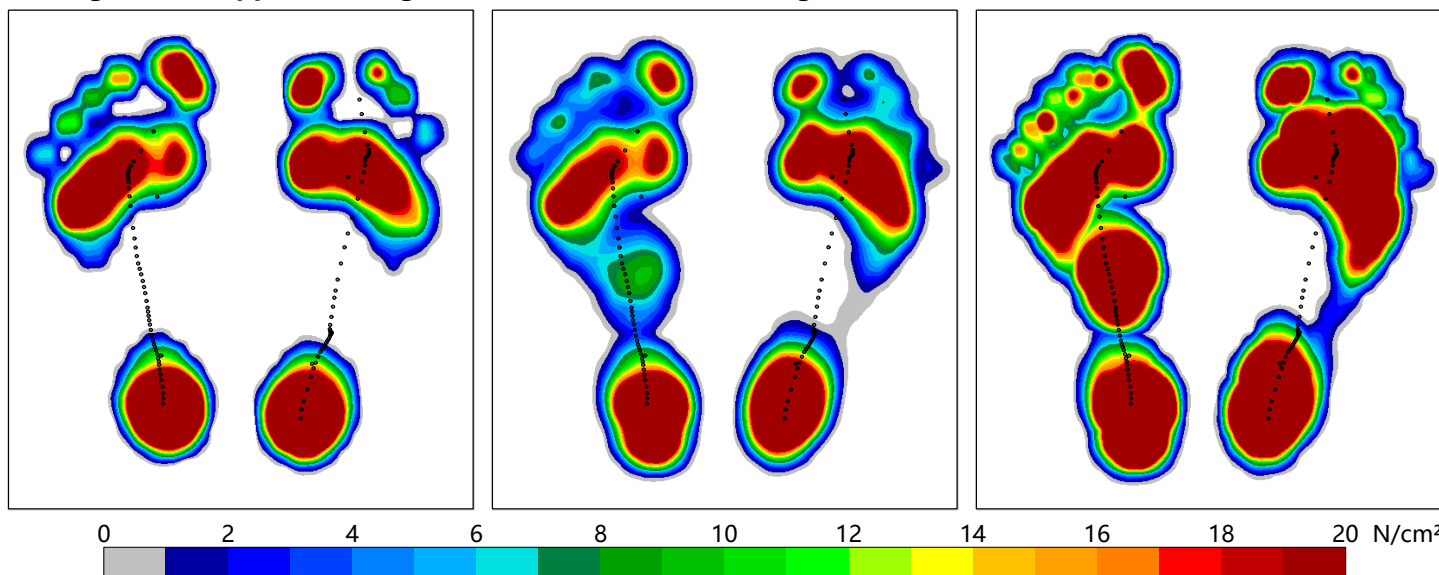


## Pressure plots

Single limb support, average

Stance, average

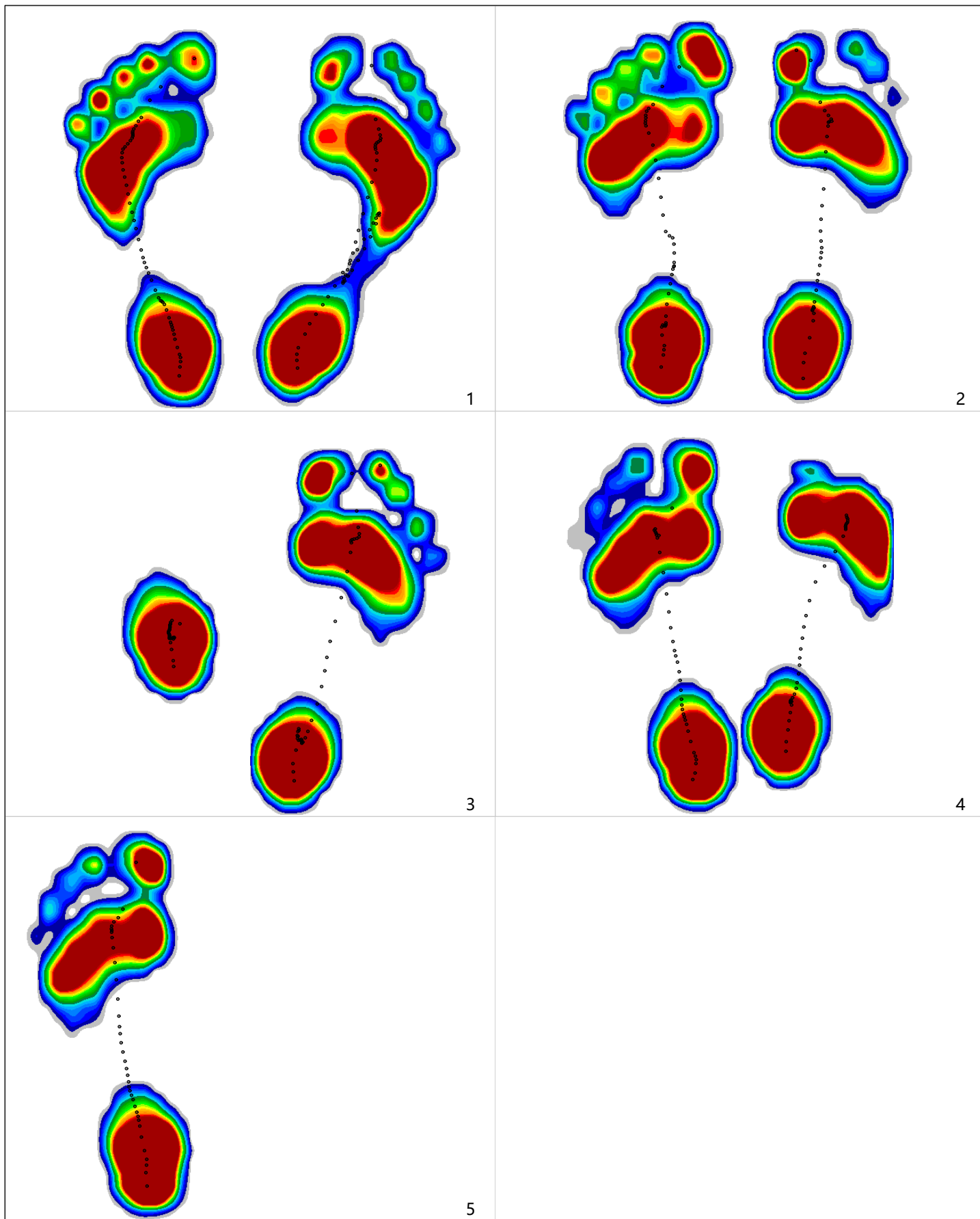
Stance, maximum



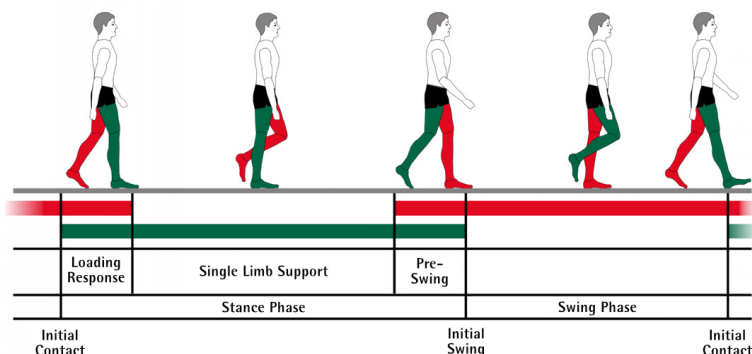
# Fakulta sportovních studií Gait Report

Person: Mikuláš Přikryl, 24.11.1999  
Record: 28.11.2024 12:57, Gait Analysis FDM, chuze

## Separate footprints



## Gait parameters



### Geometry

Foot rotation, degree	L	5,9±3,2	-18°	
	R	17,1		
Step length, cm	L	66		
	R	69		
Stride length, cm		136		
Step width, cm		13±4		

### Phases

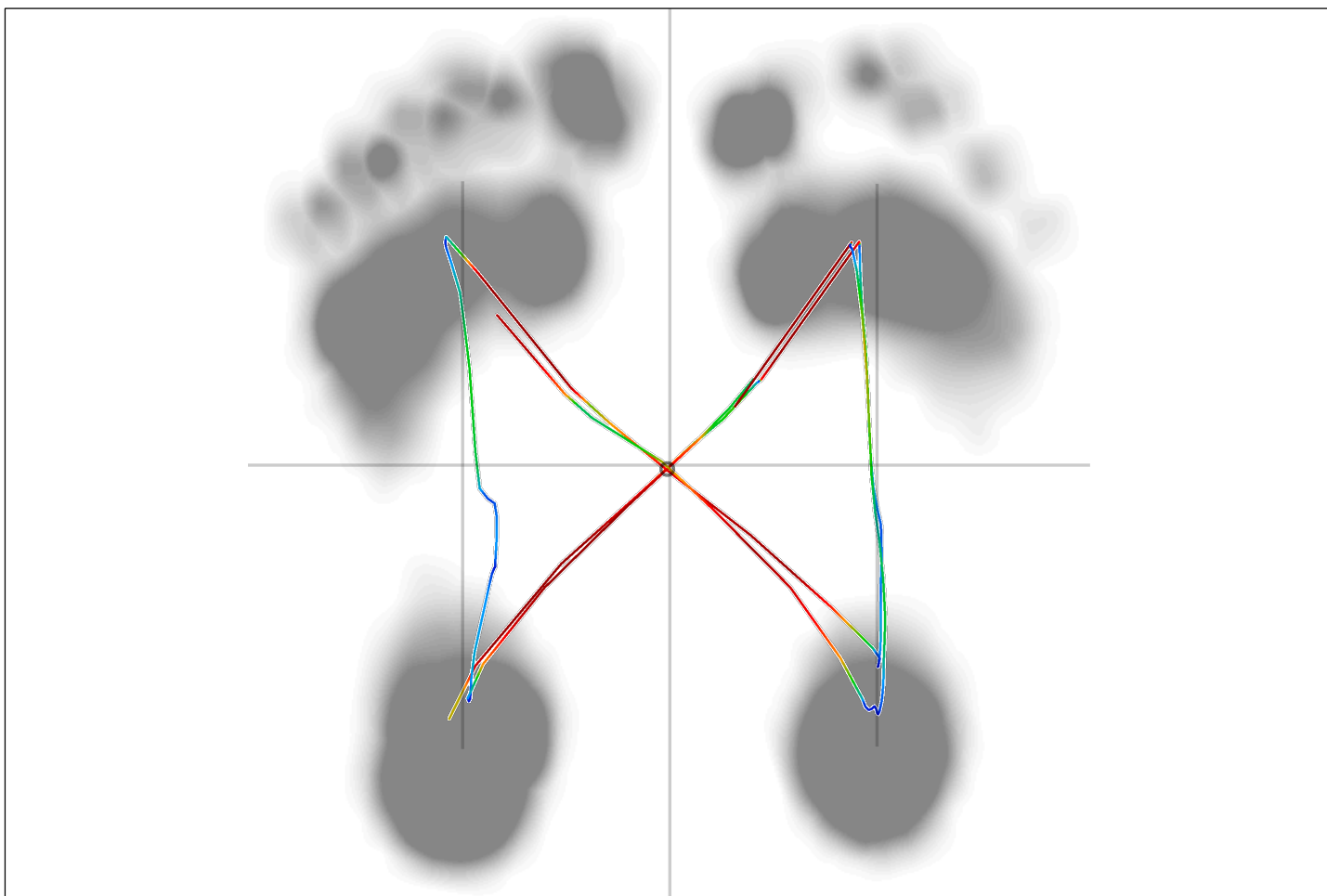
Stance phase, %	L	67,1±3,0		
	R	60,6		
Load response, %	L	12,5		
	R	13,6		
Single limb support, %	L	40,6		
	R	34,8		
Pre-Swing, %	L	11,3±0,4		
	R	12,1		
Swing phase, %	L	32,9±3,0		
	R	39,4		
Double stance phase, %		24,6±1,2		

### Timing

Step time, sec	L	0,64		
	R	0,68		
Stride time, sec		1,32		
Cadence, steps/min		88±7		
Velocity, km/h		3,4±0,3		

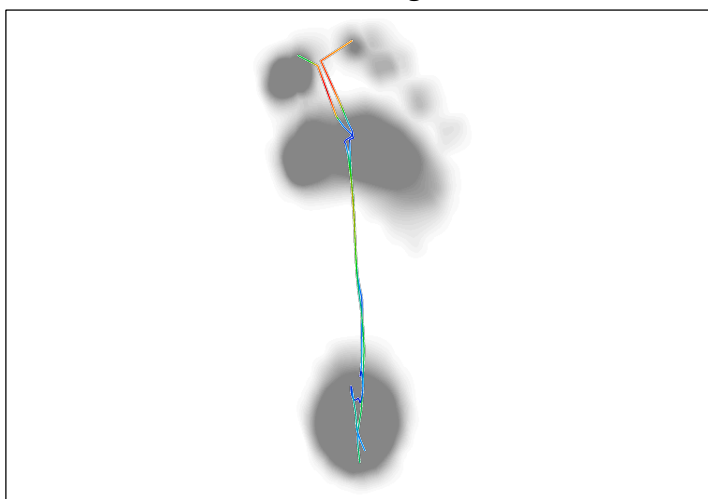
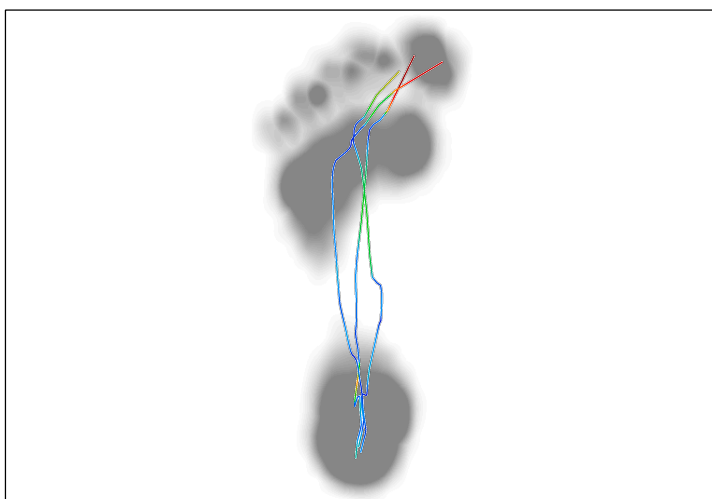
## COP analysis

### Butterfly



Gait line left

Gait line right

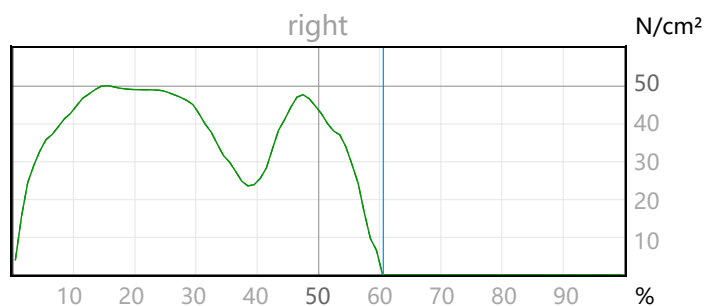
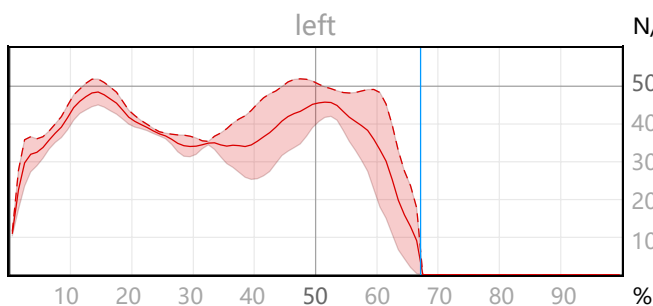


### Butterfly parameters

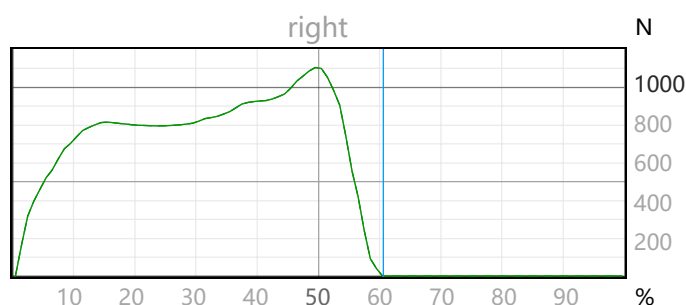
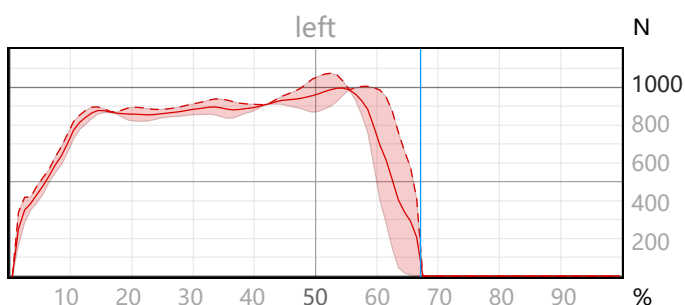
Length of gait line, mm	L	223,8±7,1	<div style="width: 100%; height: 10px; background-color: red;"></div> 250 mm
	R	229,6±4,5	<div style="width: 100%; height: 10px; background-color: green;"></div>
Single limb support line, mm	L	147,0	<div style="width: 100%; height: 10px; background-color: red;"></div>
	R	149,3	<div style="width: 100%; height: 10px; background-color: green;"></div>
Ant/post position, mm		-1,2±0,2	<div style="width: 100%; height: 10px; background-color: blue;"></div> -125 mm   125 mm
Lateral symmetry, mm		-0,8±0,3	<div style="width: 100%; height: 10px; background-color: blue;"></div> -21 mm   21 mm
Max gait line velocity, cm/sec		156,7	<div style="width: 100%; height: 10px; background-color: blue;"></div>

## Force and pressure

### Pressure curves



### Force curves



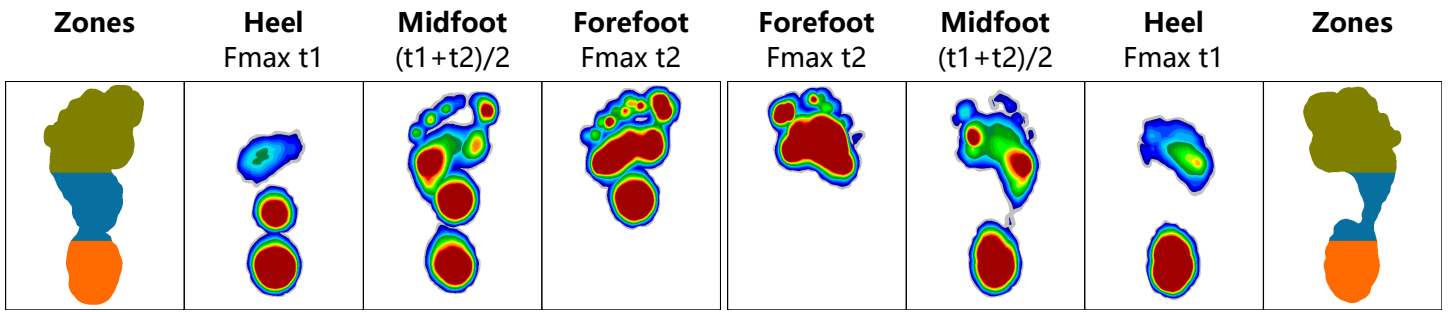
### Force parameters

Maximum force1, N	L	876,7	<div style="width: 73%;"></div>	1200 N
	R	815,0	<div style="width: 68%;"></div>	
Time maximum force1, %	L	14	<div style="width: 14%;"></div>	100%
	R	15	<div style="width: 15%;"></div>	
Maximum force2, N	L	994,9	<div style="width: 83%;"></div>	1200 N
	R	1104,1	<div style="width: 92%;"></div>	
Time maximum force2, %	L	54	<div style="width: 54%;"></div>	100%
	R	49	<div style="width: 49%;"></div>	

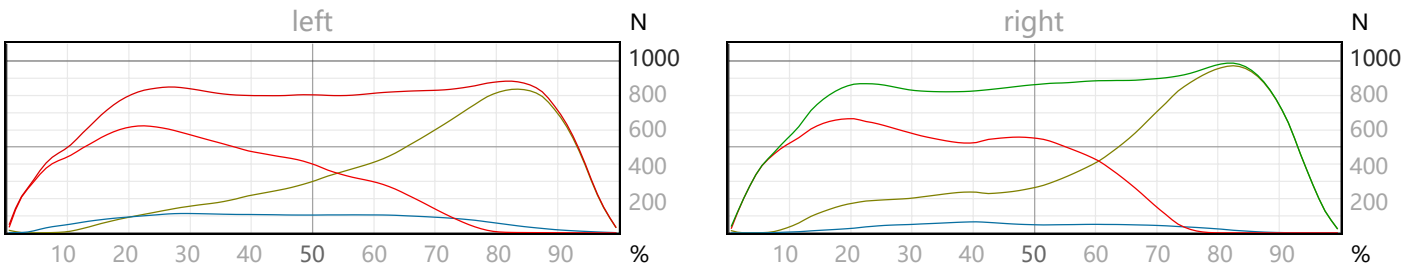
# Fakulta sportovních studií Gait Report

Person: Mikuláš Příklad, 24.11.1999  
 Record: 28.11.2024 12:57, Gait Analysis FDM, chuze

## Three foot zone analysis



### Force overlay



### Load change

Time change heel to forefoot, sec	L	0,38±0,16	0,6 sec
	R	0,39±0,08	
Time change heel to forefoot, %	L	46,6±18,2	100%
	R	48,0±14,7	

### Maximum force, N

Forefoot	L	852,5±345,7	1100 N
	R	977,6±113,6	
Midfoot	L	154,4±173,6	
	R	74,4±81,0	
Heel	L	643,0±242,3	
	R	715,5±40,9	

### Maximum pressure, N/cm²

Forefoot	L	43,2±4,7	70 N/cm²
	R	56,5±7,3	
Midfoot	L	22,2±13,5	
	R	19,5±10,8	
Heel	L	46,9±3,6	
	R	47,5±3,8	

### Time maximum force, % of stance time

Forefoot	L	69,8±23,3	100%
	R	79,9±1,2	
Midfoot	L	56,7±17,7	
	R	50,8±8,7	
Heel	L	16,1±6,4	
	R	20,4±3,8	






# Fakulta sportovních studií Gait Report

Person: Mikuláš Přikryl, 24.11.1999

Record: 28.11.2024 12:57, Gait Analysis FDM, chuze

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## Contact time, % of stance time

Forefoot	L	87,9±3,4		100%
	R	91,1±1,4		
Midfoot	L	82,6±7,4		
	R	78,7±5,8		
Heel	L	77,4±7,0		
	R	72,8±2,5	