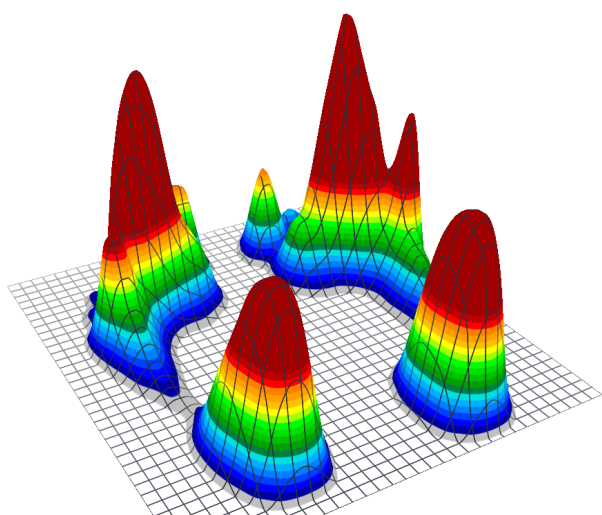


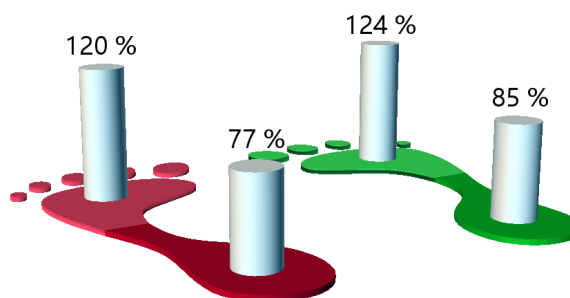
## Pressure plot 3d

Stance, average



## Force forefoot/backfoot

Max load (% of body weight)

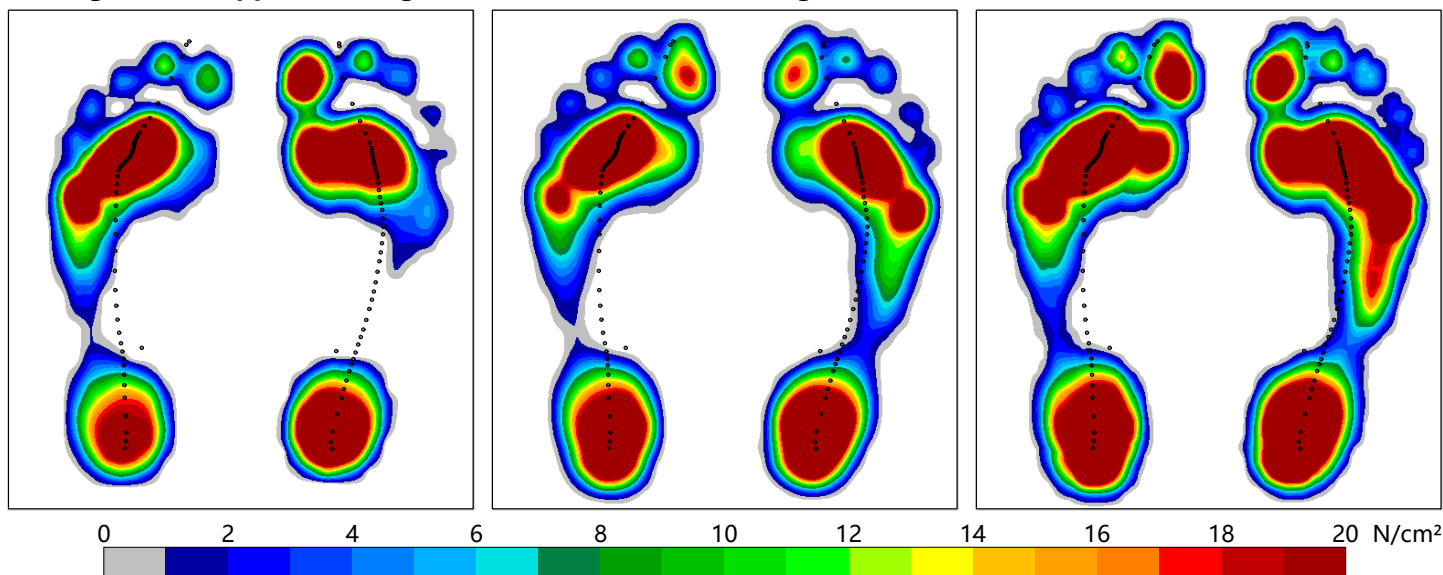


## Pressure plots

Single limb support, average

Stance, average

Stance, maximum



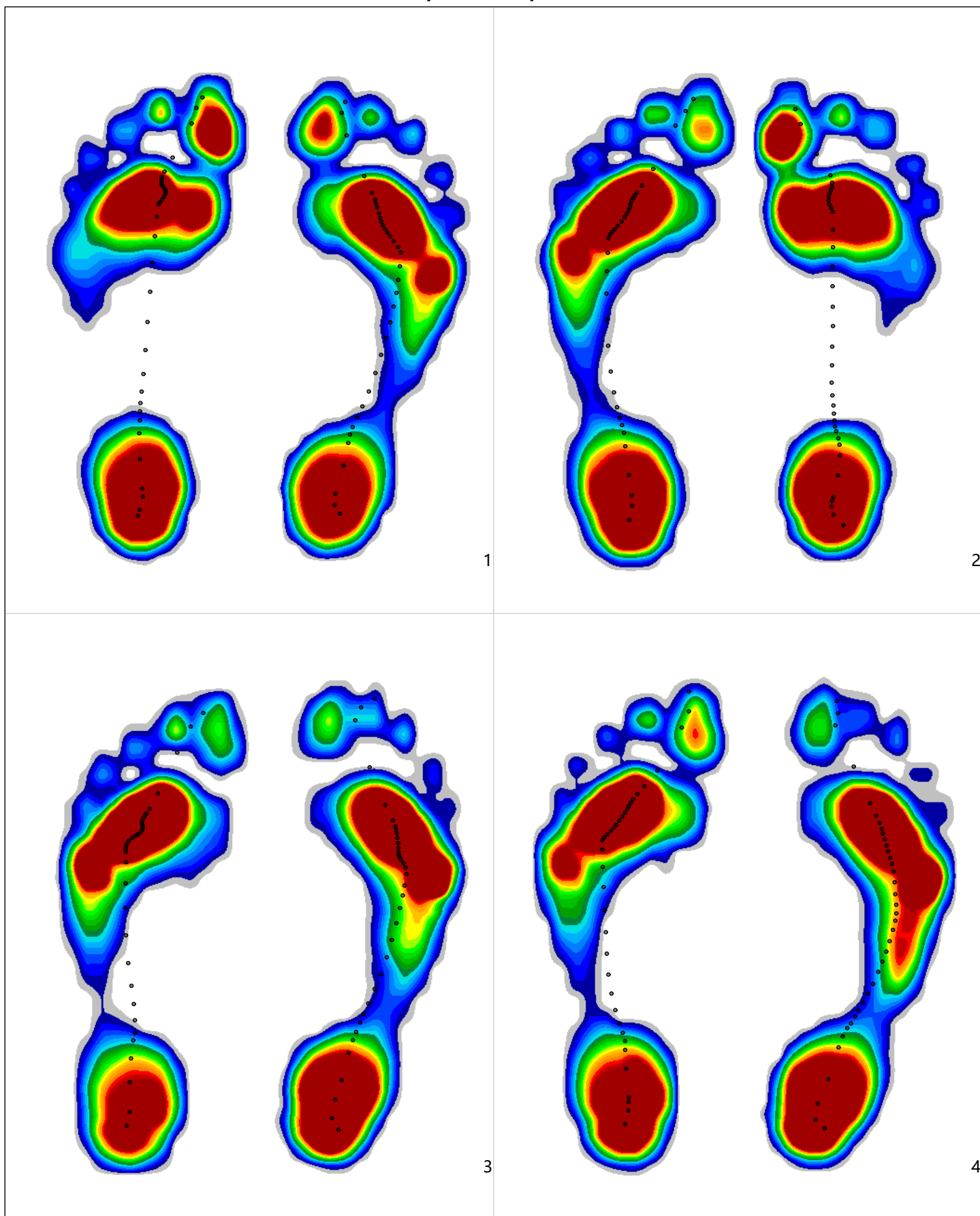
# Fakulta sportovních studií Gait Report

Person: Dominik Císár, 12.05.2004

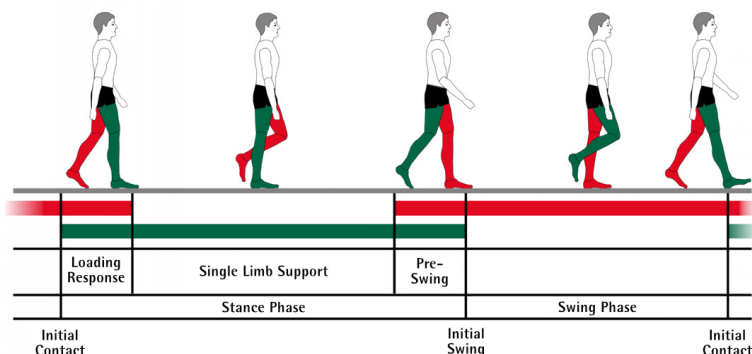
Record: 28.11.2024 12:11, Gait Analysis FDM, chuze

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## Separate footprints



## Gait parameters



## Geometry

Foot rotation, degree	L	-4,4	-9°	9°
	R	5,4±2,7		
Step length, cm	L	69		160 cm
	R	74		
Stride length, cm		143		160 cm
Step width, cm		11±4		

## Phases

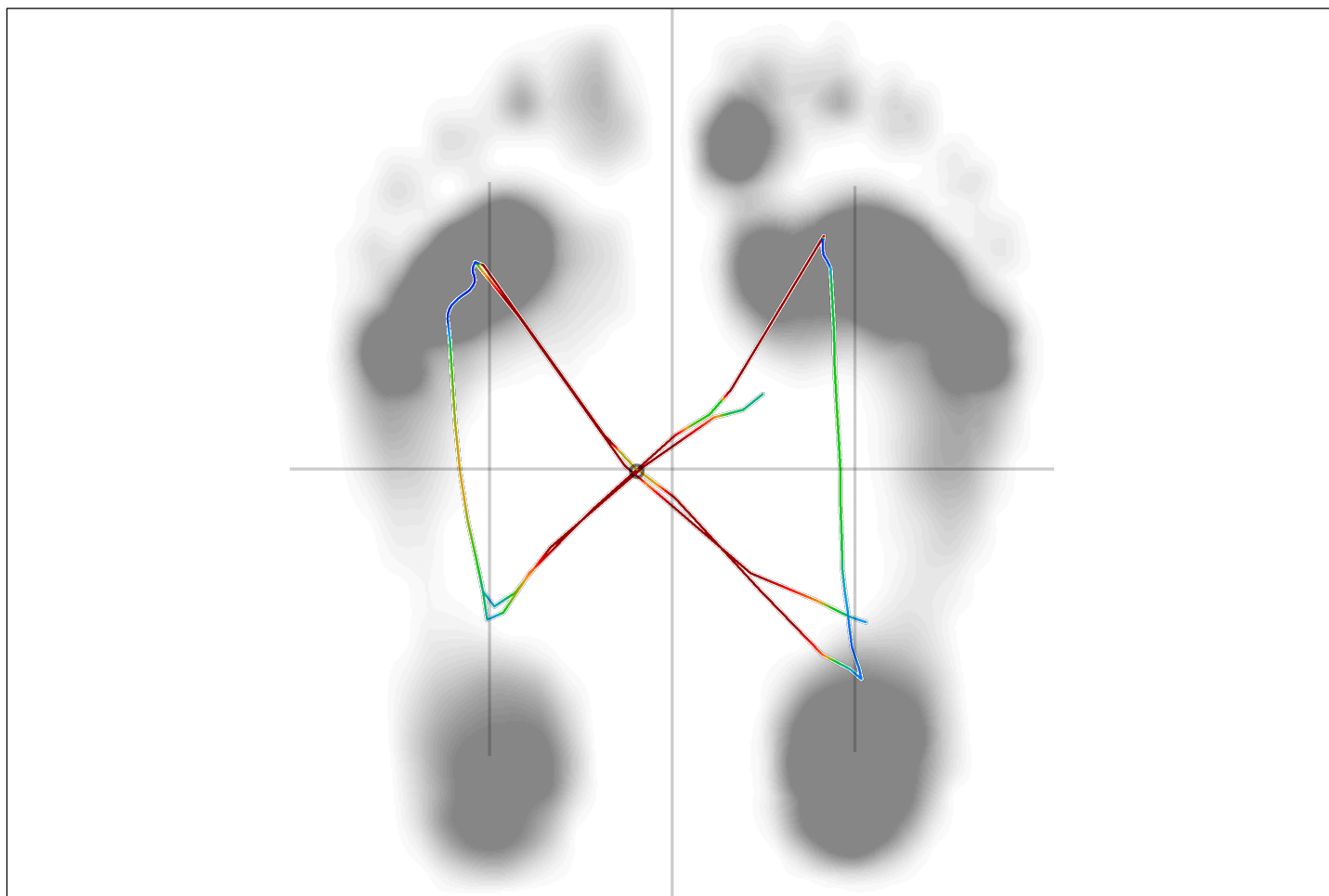
Stance phase, %	L	62,3		100 %
	R	60,8±0,2		
Load response, %	L	13,1		
	R	11,5		
Single limb support, %	L	37,7		
	R	37,7		
Pre-Swing, %	L	11,5		
	R	12,5±1,0		
Swing phase, %	L	37,7		
	R	39,2±0,2		
Double stance phase, %		23,8±0,8		

## Timing

Step time, sec	L	0,60		1.3 sec
	R	0,62		
Stride time, sec		1,22		1.3 sec
Cadence, steps/min		99±2		110 steps/min
Velocity, km/h		4,3±0,1		5 km/h

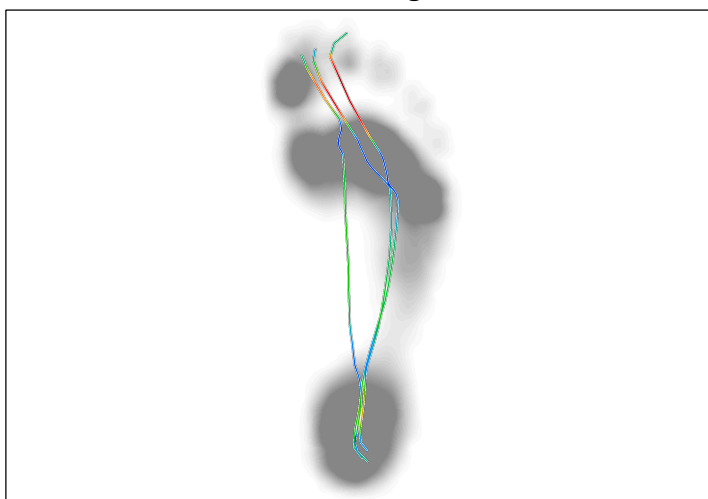
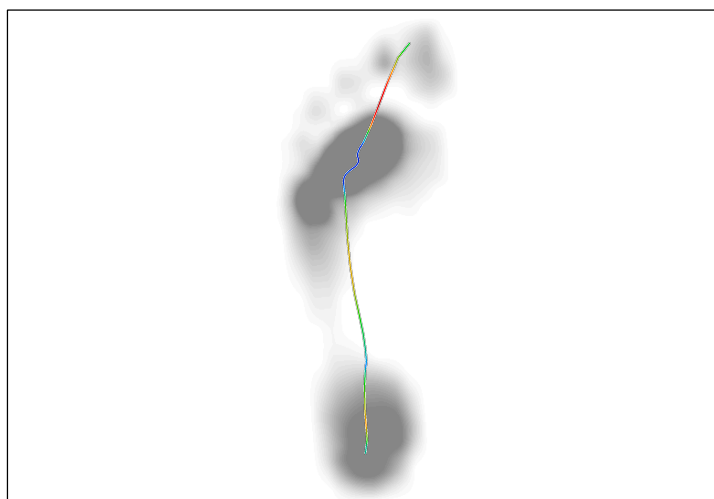
## COP analysis

### Butterfly



Gait line left

Gait line right

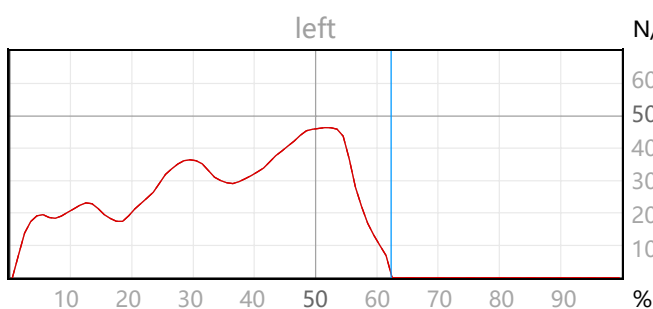


### Butterfly parameters

Length of gait line, mm	L	236,5±0,0	<div style="width: 78.8%; background-color: red;"></div>	300 mm
	R	240,4±4,7	<div style="width: 80.1%; background-color: green;"></div>	
Single limb support line, mm	L	106,8	<div style="width: 35.6%; background-color: red;"></div>	
	R	143,7	<div style="width: 47.9%; background-color: green;"></div>	
Ant/post position, mm		-0,7±0,4	<div style="width: 0.2%; background-color: blue;"></div>	-150 mm   150 mm
Lateral symmetry, mm		-11,5±0,7	<div style="width: -3.8%; background-color: blue;"></div>	-21 mm   21 mm
Max gait line velocity, cm/sec		129,6	<div style="width: 43.2%; background-color: blue;"></div>	

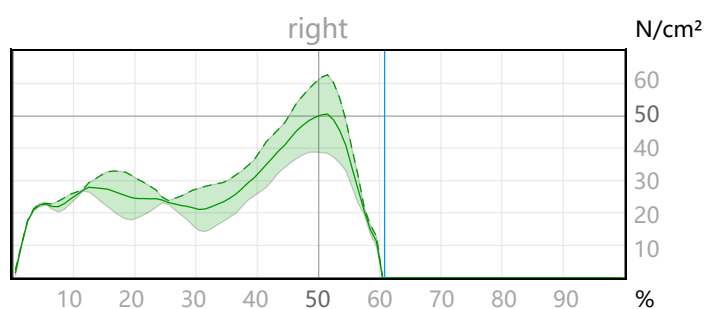
## Force and pressure

### Pressure curves



N/cm<sup>2</sup>

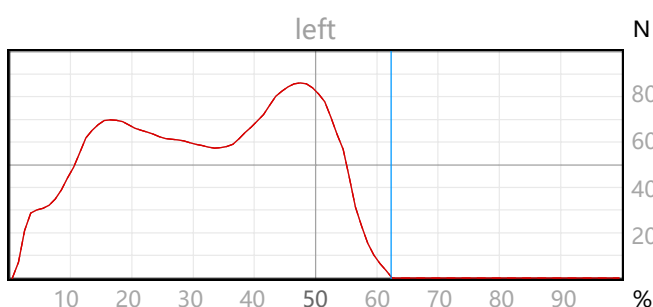
left



N/cm<sup>2</sup>

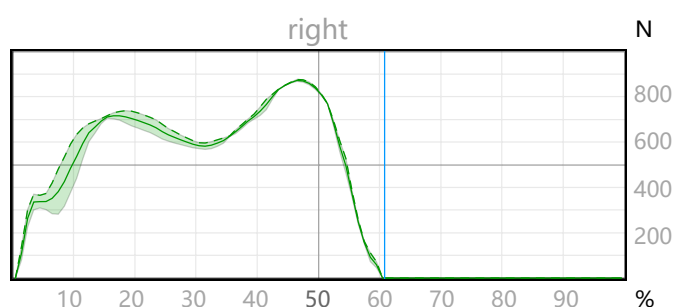
right

### Force curves



N

left



N

right

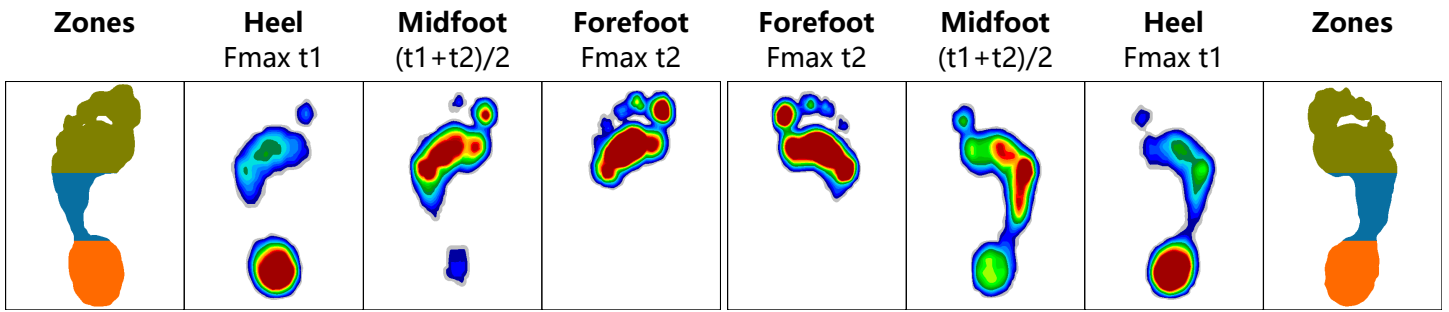
### Force parameters

Maximum force1, N	L	697,9	<div style="width: 69.8%;"></div>	1000 N
	R	715,9	<div style="width: 71.6%;"></div>	
Time maximum force1, %	L	16	<div style="width: 16%;"></div>	100%
	R	16	<div style="width: 16%;"></div>	
Maximum force2, N	L	860,8	<div style="width: 86.1%;"></div>	1000 N
	R	872,1	<div style="width: 87.2%;"></div>	
Time maximum force2, %	L	47	<div style="width: 47%;"></div>	100%
	R	46	<div style="width: 46%;"></div>	

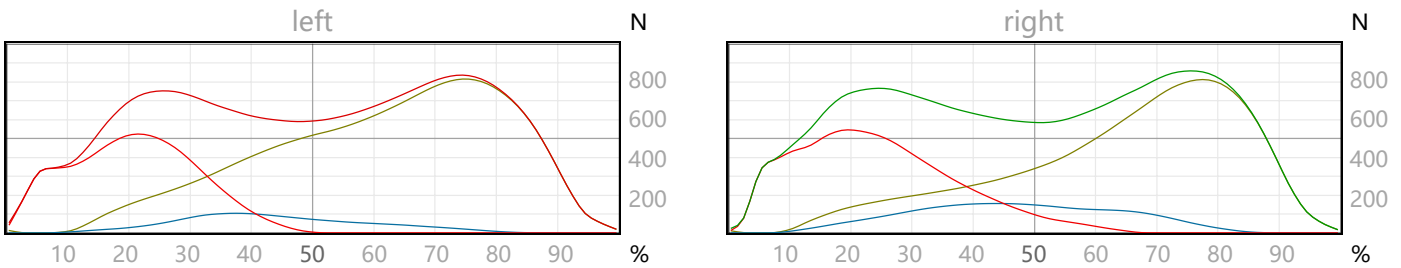
# Fakulta sportovních studií Gait Report

Person: Dominik Cisár, 12.05.2004  
 Record: 28.11.2024 12:11, Gait Analysis FDM, chuze

## Three foot zone analysis



### Force overlay



### Load change

Time change heel to forefoot, sec	L	0,23±0,02		0.4 sec
	R	0,27±0,04		
Time change heel to forefoot, %	L	30,9±2,5		100%
	R	36,4±5,4		

### Maximum force, N

Forefoot	L	821,5±19,4		1000 N
	R	815,9±46,1		
Midfoot	L	106,5±49,2		
	R	164,0±93,8		
Heel	L	529,7±55,8		
	R	575,3±45,6		

### Maximum pressure, N/cm<sup>2</sup>

Forefoot	L	43,8±3,1		80 N/cm <sup>2</sup>
	R	55,6±12,1		
Midfoot	L	22,3±9,0		
	R	35,5±22,9		
Heel	L	30,1±3,8		
	R	32,4±2,8		

### Time maximum force, % of stance time

Forefoot	L	72,6±0,8		100%
	R	75,0±1,3		
Midfoot	L	36,3±2,7		
	R	47,2±10,8		
Heel	L	18,5±1,2		
	R	18,2±3,5		






# Fakulta sportovních studií Gait Report

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## Contact time, % of stance time

Forefoot	L	87,6±1,6	 100%
	R	88,5±2,9	
Midfoot	L	71,1±5,3	
	R	74,3±5,5	
Heel	L	42,6±4,9	
	R	57,3±6,5	