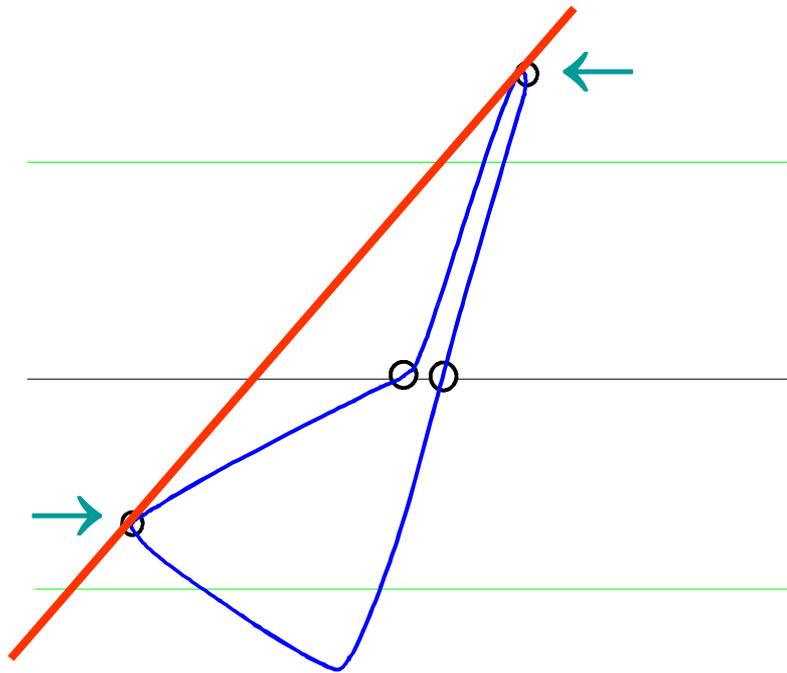
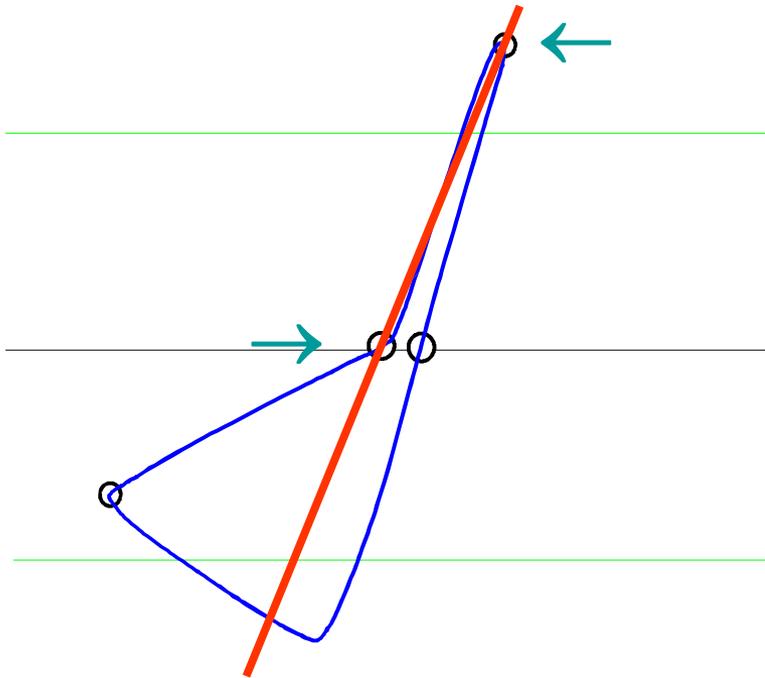


sR_{tot} (Ulmer)



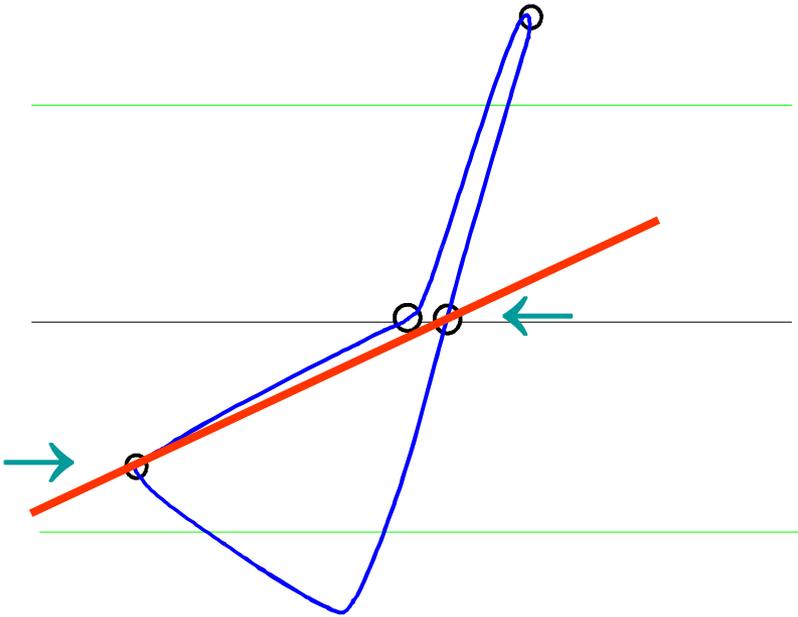
Connecting the maximal pressure points

sR_{in} (Ulmer)



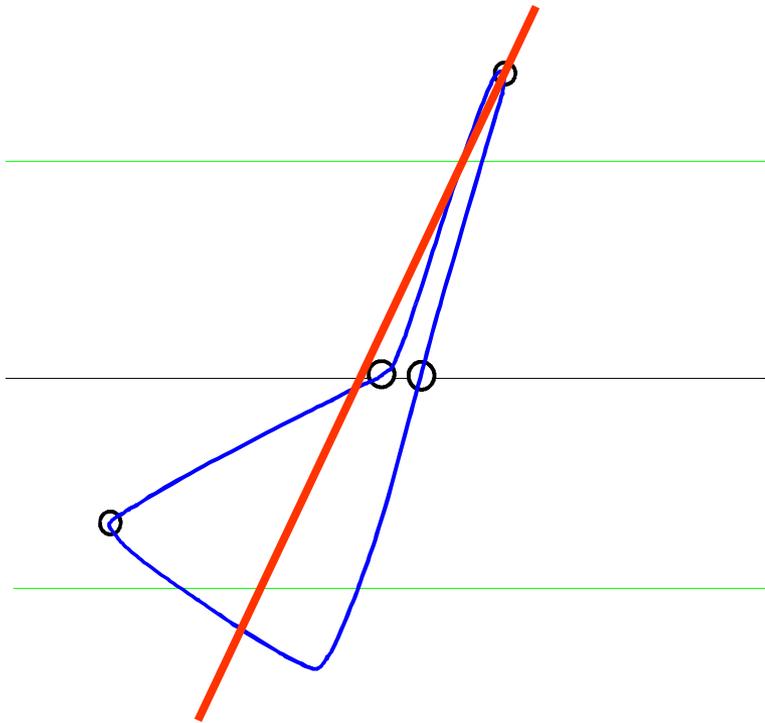
Connecting the maximal pressure points (inspiration)

sR_{ex} (Ulmer)



Connecting the maximal pressure points (expiration)

sR_{eff} (Matthys)



Area below the
work of breathing-
loop compared
with the area
below the
Flow/Volume-loop
(\approx least square fit)

$$\text{Raw} = \frac{\text{Work of breathing}}{\text{Area FV curve}}$$

$$\text{Work of breathing} = \text{Raw} \cdot \text{Area FV curve}$$

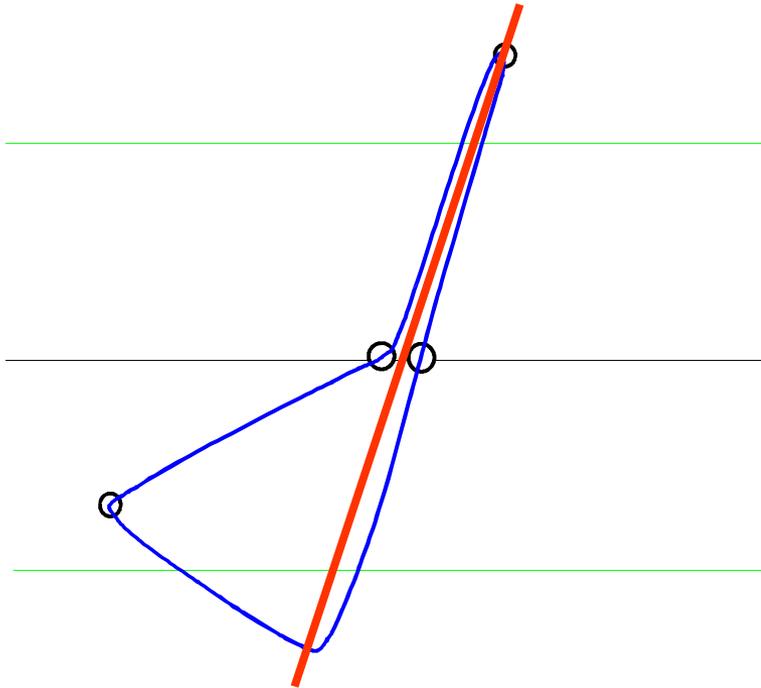
$$\text{WOB} = \frac{\text{N}}{\text{m}^2} \frac{\text{s}}{\text{L}} \frac{\text{L}}{\text{s}} \text{L}$$

$$\text{WOB} = \frac{\text{N}}{\text{m}^2} \text{m}^3$$

$$\text{WOB} = \text{pressure} \times \text{volume}$$

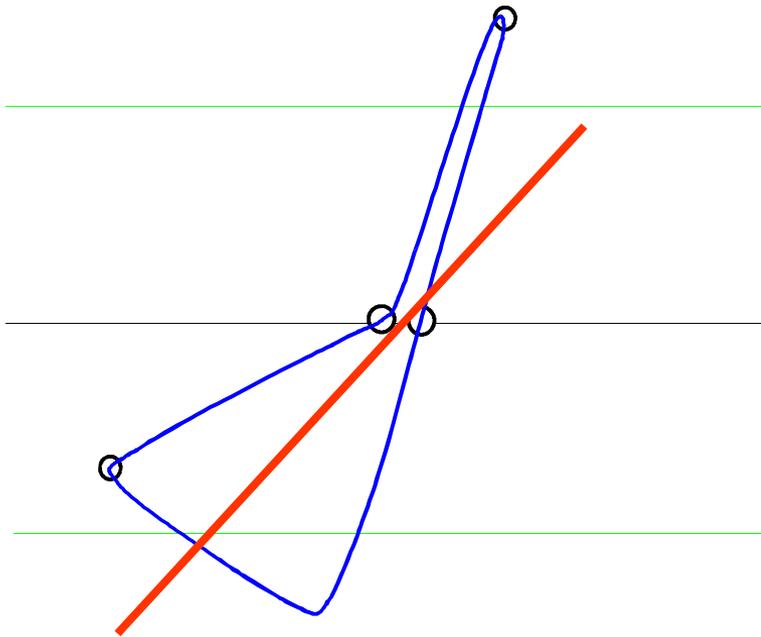
$$\text{Raw} = \frac{\text{pressure}}{\text{flow}} \times \frac{\text{volume}}{\text{volume}}$$

$sR_{\text{eff,in}}$ (Matthys)



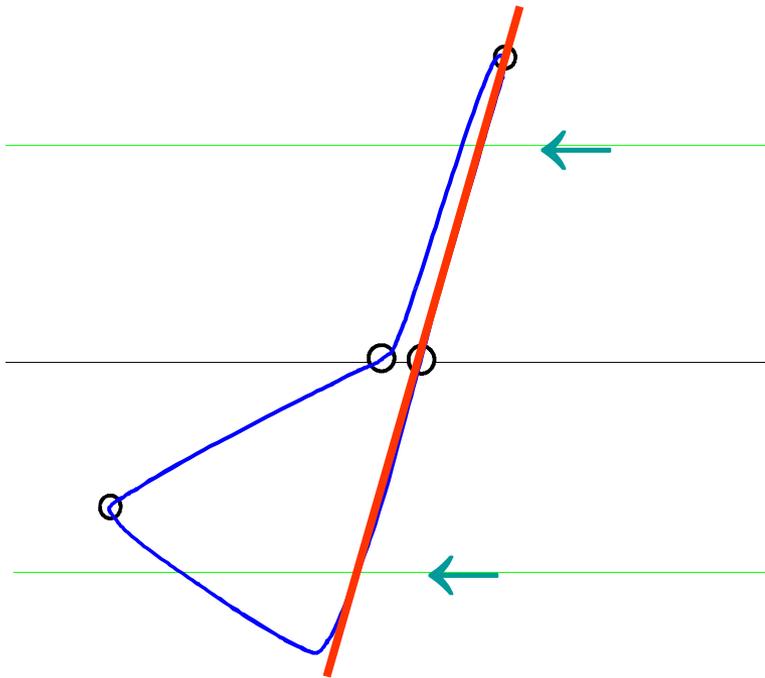
Area below the
work of breathing-
loop compared
with the area
below the
Flow/Volume-loop
during inspiration

$sR_{\text{eff,ex}}$ (Matthys)



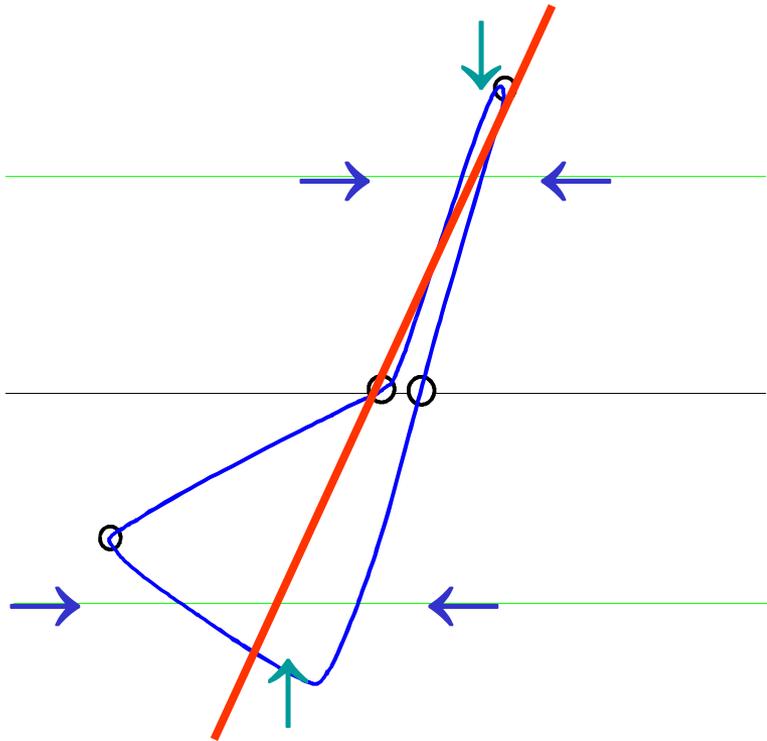
Area below the work of breathing-loop compared with the area below the Flow/Volume-loop during expiration

Resistance $sR_{0.5}$



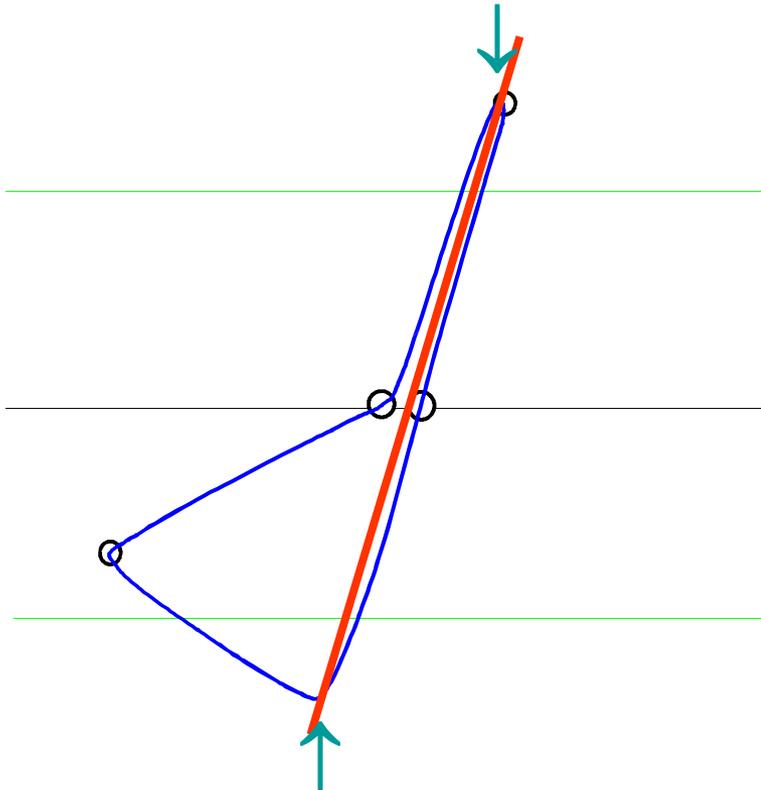
connecting the
flow-values at
 $+ 0.5$ and $- 0.5$ L/sec

Resistance sR_{mid}



connecting the mean
flow-values at
 $+ 0.5$ and $- 0.5$ L/sec

Resistance sR_{peak}



connecting the maximal
and minimal flow-values