

### Woofer parameters

Fs 20 Hz  
Qts 0.24  
Qes 0.26  
Vas 108 Liters  
Re 6.1 Ohms  
Dia 17.1 cm  
Xmax 7 mm  
Pe\_max 100 Watts  
Le 0 Henries  
P\_input\_rms 35 Watts@8ohms

### Passive radiator free-air parameters

Fp 22 Hz  
Vap 138 Liters  
Dia 17.1 cm

### Box parameters

Ql 15.0  
Qb 30.0  
Qp 30.0  
Vb 27.7  
Desired Fb 20.7

Qcomb 7.500  
alpha 3.899  
h 1.035  
beta 0.783

### Woofer Calculated Parameters

Sd 0.02297 m<sup>2</sup>  
Cms 0.001458 m/N  
Mdt 0.0434 kg  
Bl 11.32 T\*m  
no 88.24 dB/2.83V  
no 87.06 dB/1W  
Qms 3.12  
V\_in\_peak 23.66 Volts  
VC\_dissipation 46 Watts

### Passive radiator calculated Params

Sp 0.02297 m<sup>2</sup>  
Cmp 0.001863 m/N  
Mtp 0.0281 kg  
Cmt 0.000311 m/N  
Mass to add 0.1617 kg  
Total Mass 0.1898

### If ported:

Lv 566.43 cm

### If sealed:

Undamped Qtc 0.531

### Woofer parameters

Fs 20 Hz  
Qts 0.24  
Qes 0.26  
Vas 108 Liters  
Re 6.1 Ohms  
Dia 17.1 cm  
Xmax 7 mm  
Pe\_max 100 Watts  
Le 0 Henries  
P\_input\_rms 35 Watts@8ohms

### Passive radiator free-air parameters

Fp 22 Hz  
Vap 214 Liters  
Dia 21.1 cm

### Box parameters

Ql 15.0  
Qb 30.0  
Qp 30.0  
Vb 27.7  
Desired Fb 20.7

Qcomb 7.500  
alpha 3.899  
h 1.035  
beta 0.505

### Woofer Calculated Parameters

Sd 0.02297 m<sup>2</sup>  
Cms 0.001458 m/N  
Mdt 0.0434 kg  
Bl 11.32 T\*m  
no 88.24 dB/2.83V  
no 87.06 dB/1W  
Qms 3.12  
V\_in\_peak 23.66 Volts  
VC\_dissipation 46 Watts

### Passive radiator calculated Params

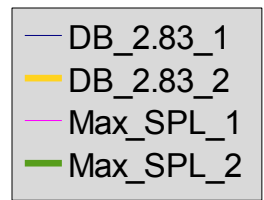
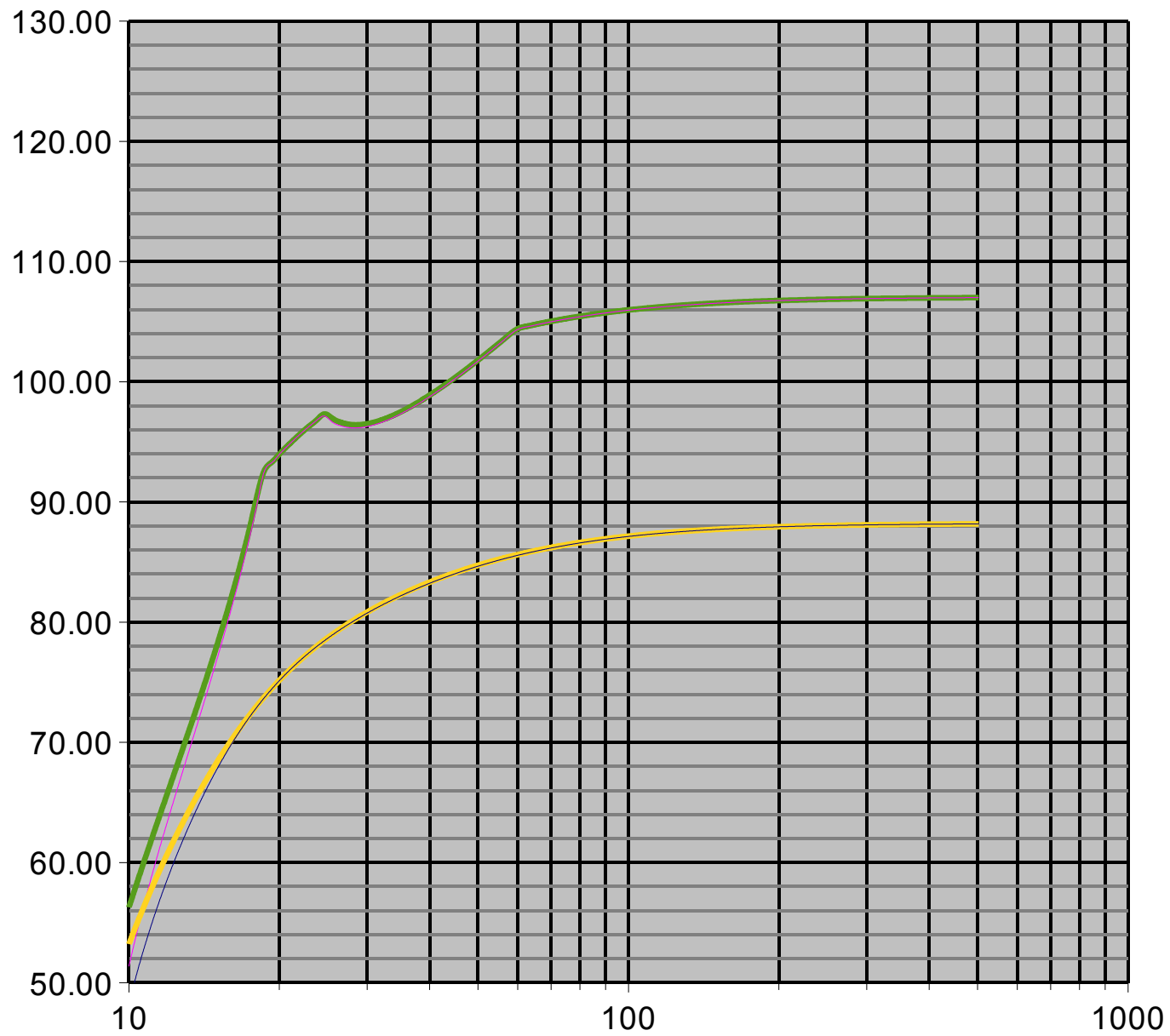
Sp 0.03497 m<sup>2</sup>  
Cmp 0.001246 m/N  
Mtp 0.0420 kg  
Cmt 0.000143 m/N  
Mass to add 0.3719 kg  
Total Mass 0.4139

### If ported:

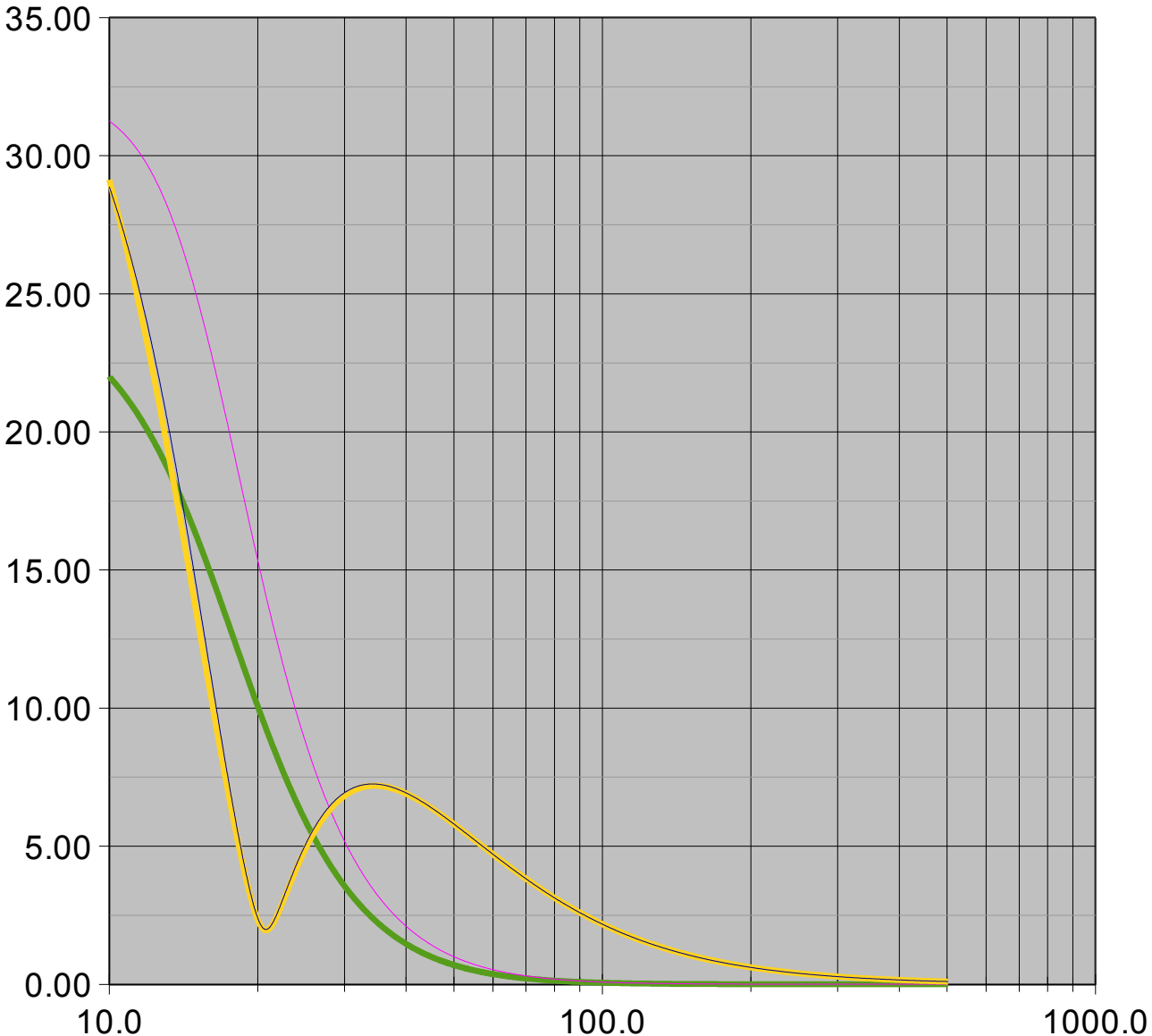
Lv 866.03 cm

### If sealed:

Undamped Qtc 0.531

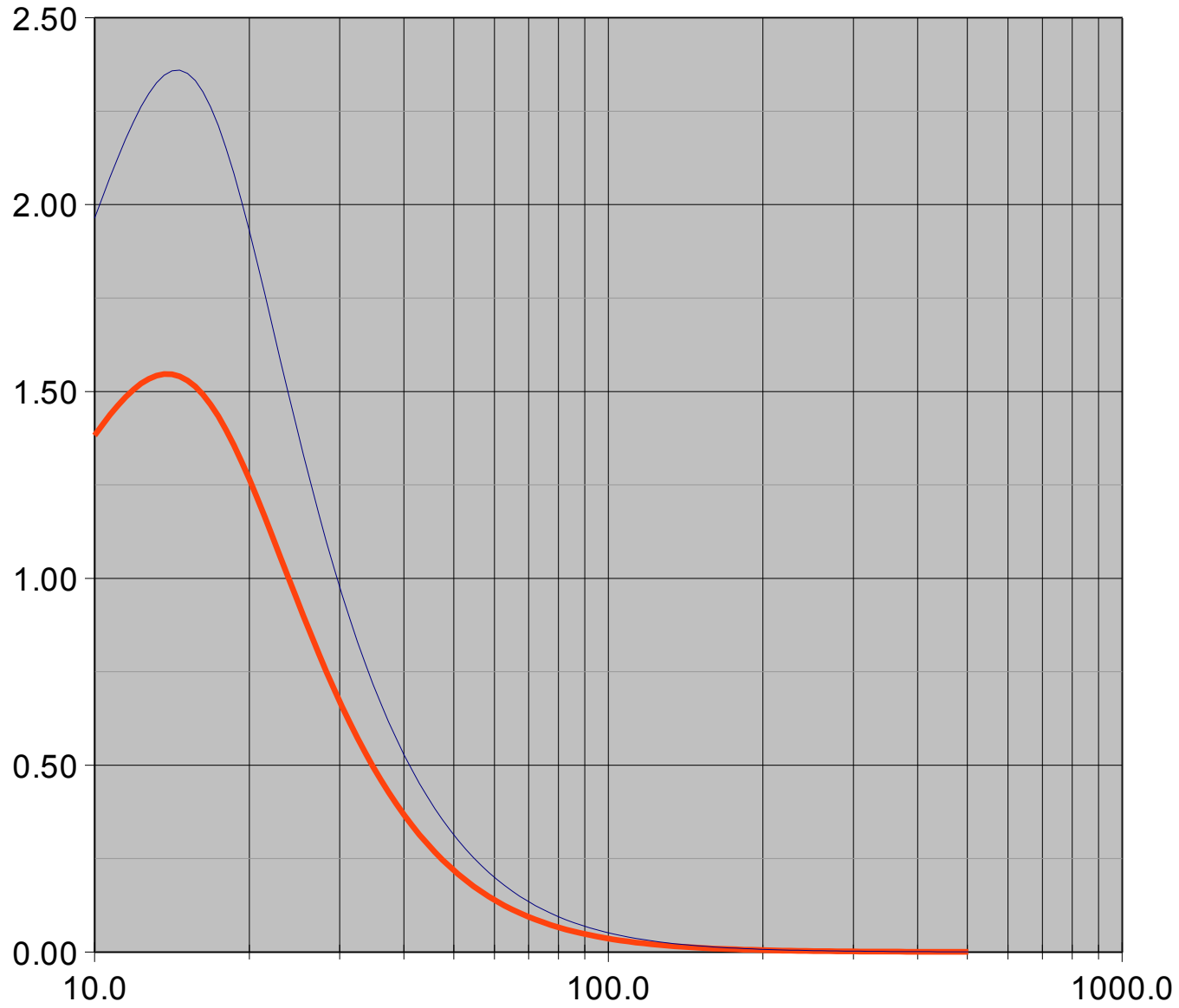


excursion [mm]



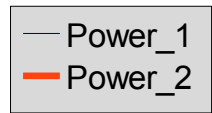
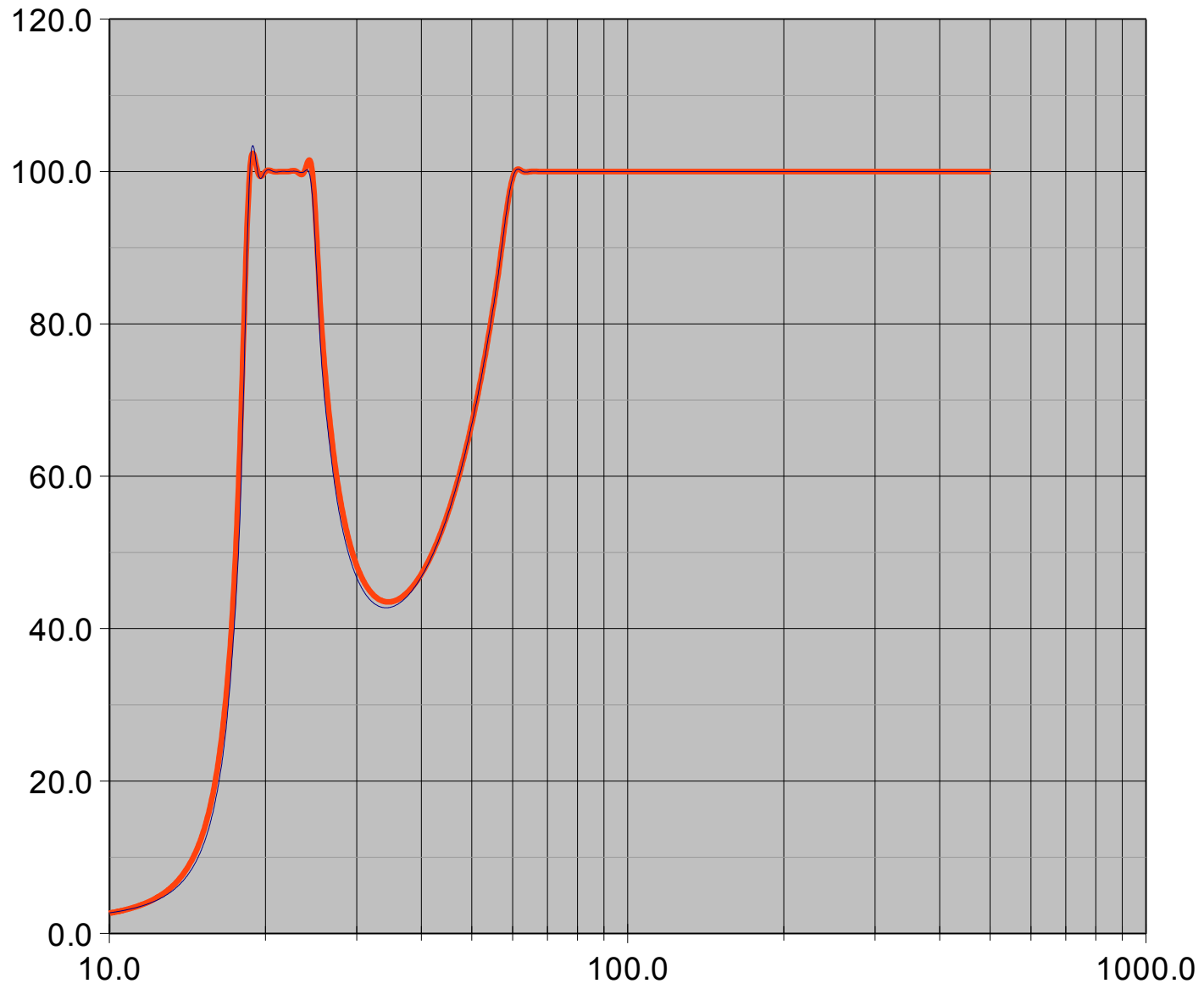
- Diaphragm\_ex\_1
- Diaphragm\_ex\_2
- PR\_ex\_1
- PR\_ex\_2

PR velocity[m/s]

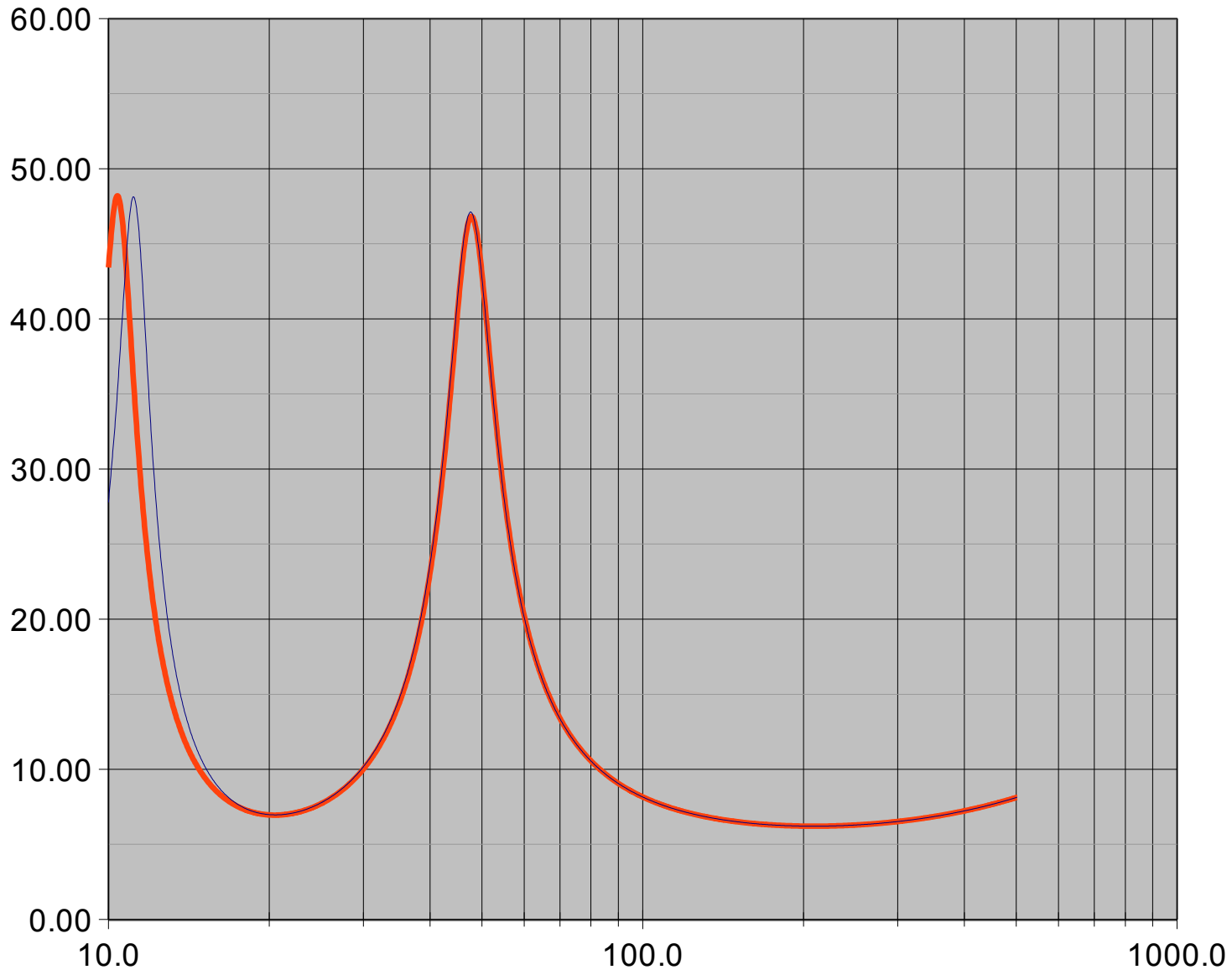


— PR velocity\_1  
— PR velocity\_2

Power [Watts]



Input Impedance [ohms]



Group Delay[s], Phase [degrees]

