

Woofer parameters

Fs	18.1 Hz
Qts	0.2
Qes	0.21
Vas	139.2 Liters
Re	3.5 Ohms
Dia	24.4 cm
Xmax	12.5 mm
Pe_max	500 Watts
Le	0 Henries
P_input_rms	200 Watts@8ohms

Passive radiator free-air parameters

Fp	10.5 Hz
Vap	339.2 Liters
Dia	34.7 cm

Box parameters

Ql	15.0
Qb	30.0
Qp	10.0
Vb	50.0
Desired Fb	22.8

Qcomb	5.000
alpha	2.784
h	1.260
beta	0.410



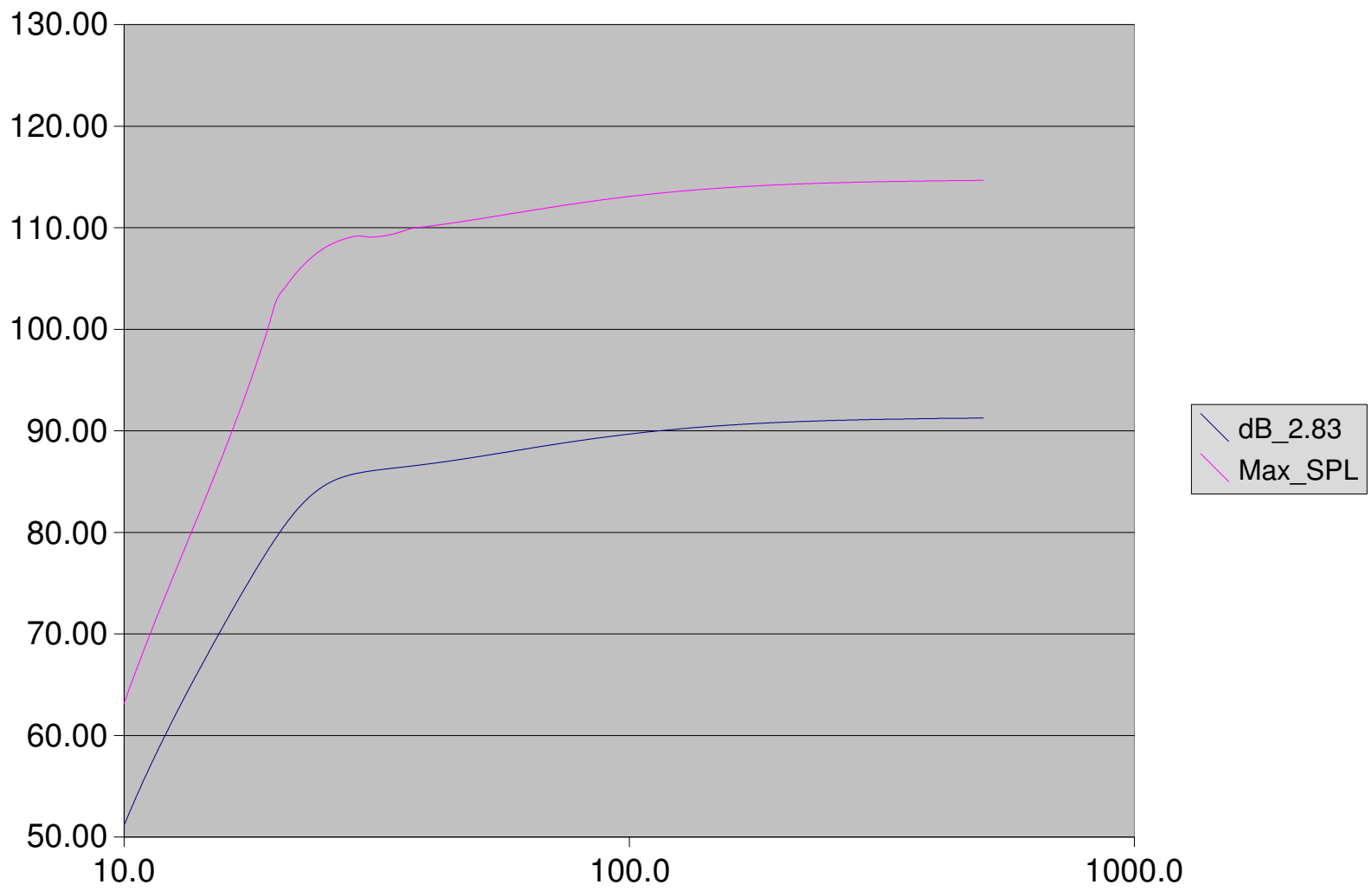
Woofer Calculated Parameters

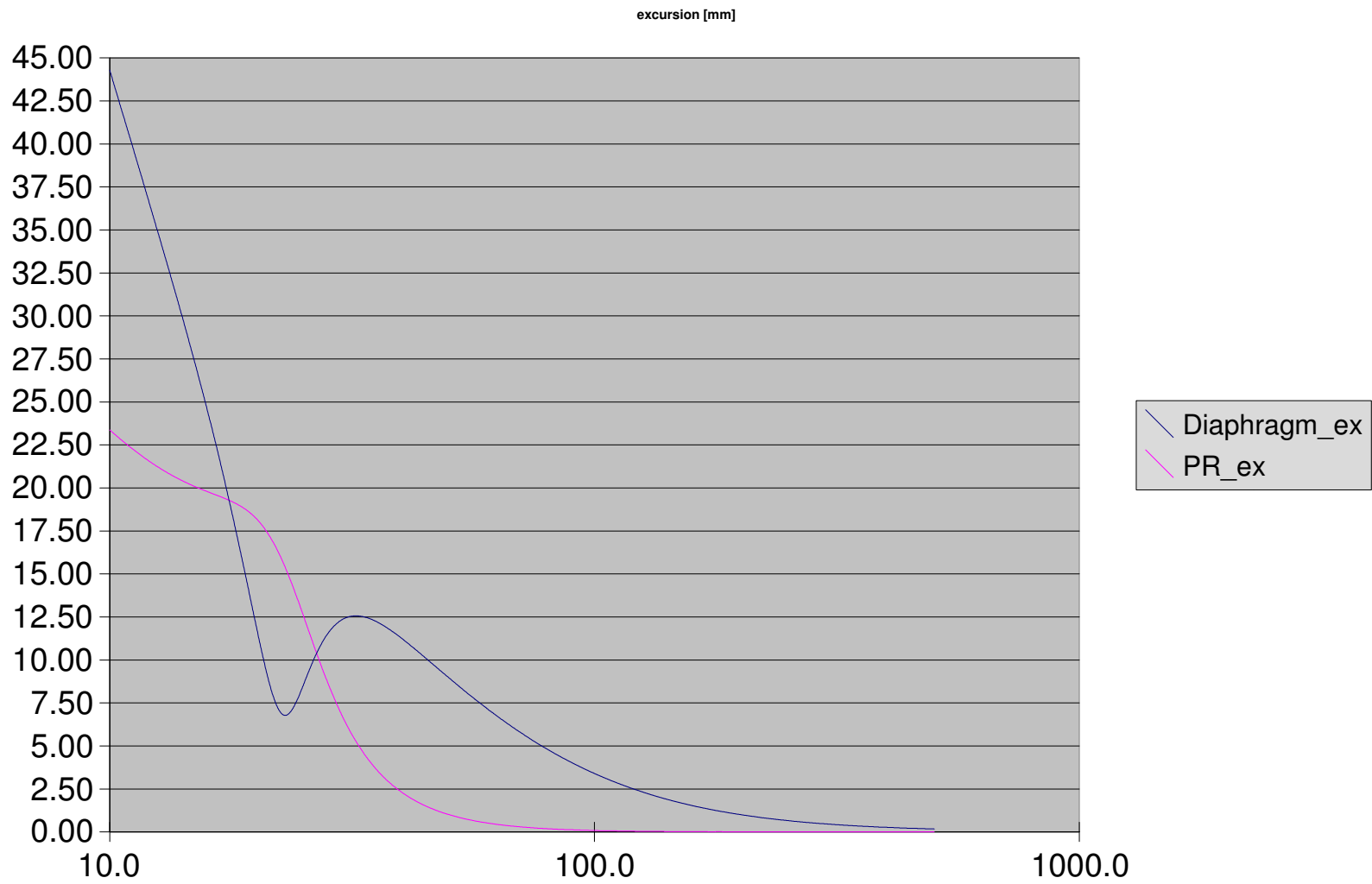
Sd	0.04676 m^2
Cms	0.000453 m/N
Mdt	0.1706 kg
Bl	17.94 T*m
no	91.36 dB/2.83V
no	87.77 dB/1W
Qms	3.84
V_in_peak	56.57 Volts
VC_dissipation	457 Watts

Passive radiator calculated Params

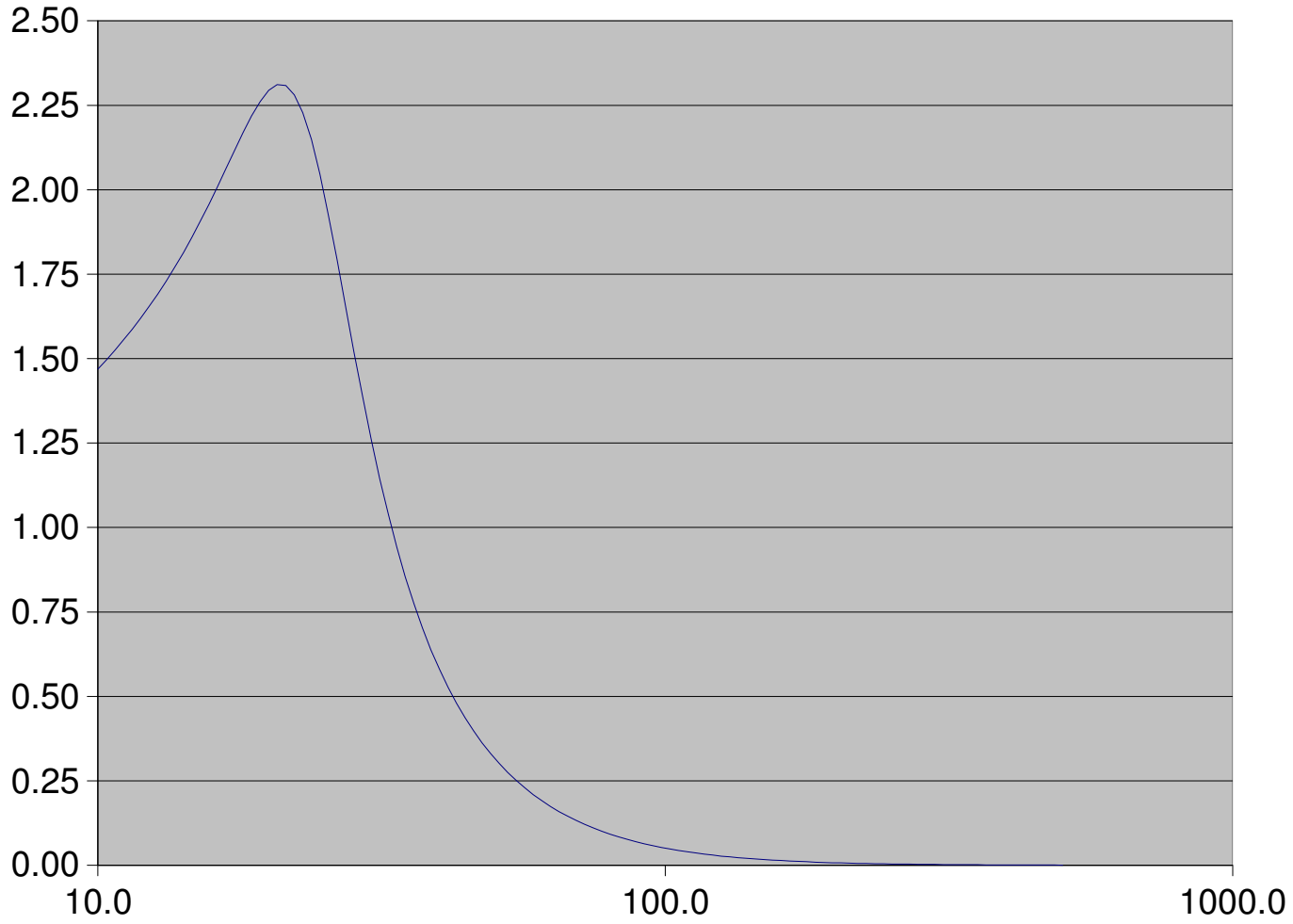
Sp	0.09457 m^2
Cmp	0.000270 m/N
Mtp	0.8508 kg
Cmt	0.000035 m/N
Mass to add	0.5538 kg
Total Mass	1.4045
If ported:	
Lv	1063.25 cm
If sealed:	
Undamped Qtc	0.389

f	dB_ref
10.0	-40.21
10.4	-38.45
10.7	-36.74
11.1	-35.10
11.5	-33.51
11.9	-31.96
12.3	-30.45
12.7	-28.98
13.2	-27.54
13.7	-26.13
14.1	-24.73
14.6	-23.36
15.2	-22.00
15.7	-20.66
16.2	-19.33
16.8	-18.02
17.4	-16.73
18.0	-15.46
18.7	-14.23
19.3	-13.03
20.0	-11.89
20.7	-10.81
21.4	-9.82
22.2	-8.92
23.0	-8.14
23.8	-7.47
24.6	-6.92
25.5	-6.48
26.4	-6.14
27.3	-5.87
28.3	-5.66
29.3	-5.50
30.3	-5.36
31.4	-5.26
32.5	-5.16
33.6	-5.07
34.8	-4.99
36.1	-4.90
37.3	-4.81
38.6	-4.72
40.0	-4.63
41.4	-4.53
42.9	-4.42
44.4	-4.32
45.9	-4.21
47.6	-4.09
49.2	-3.98
51.0	-3.86
52.8	-3.74
54.6	-3.62
56.6	-3.50



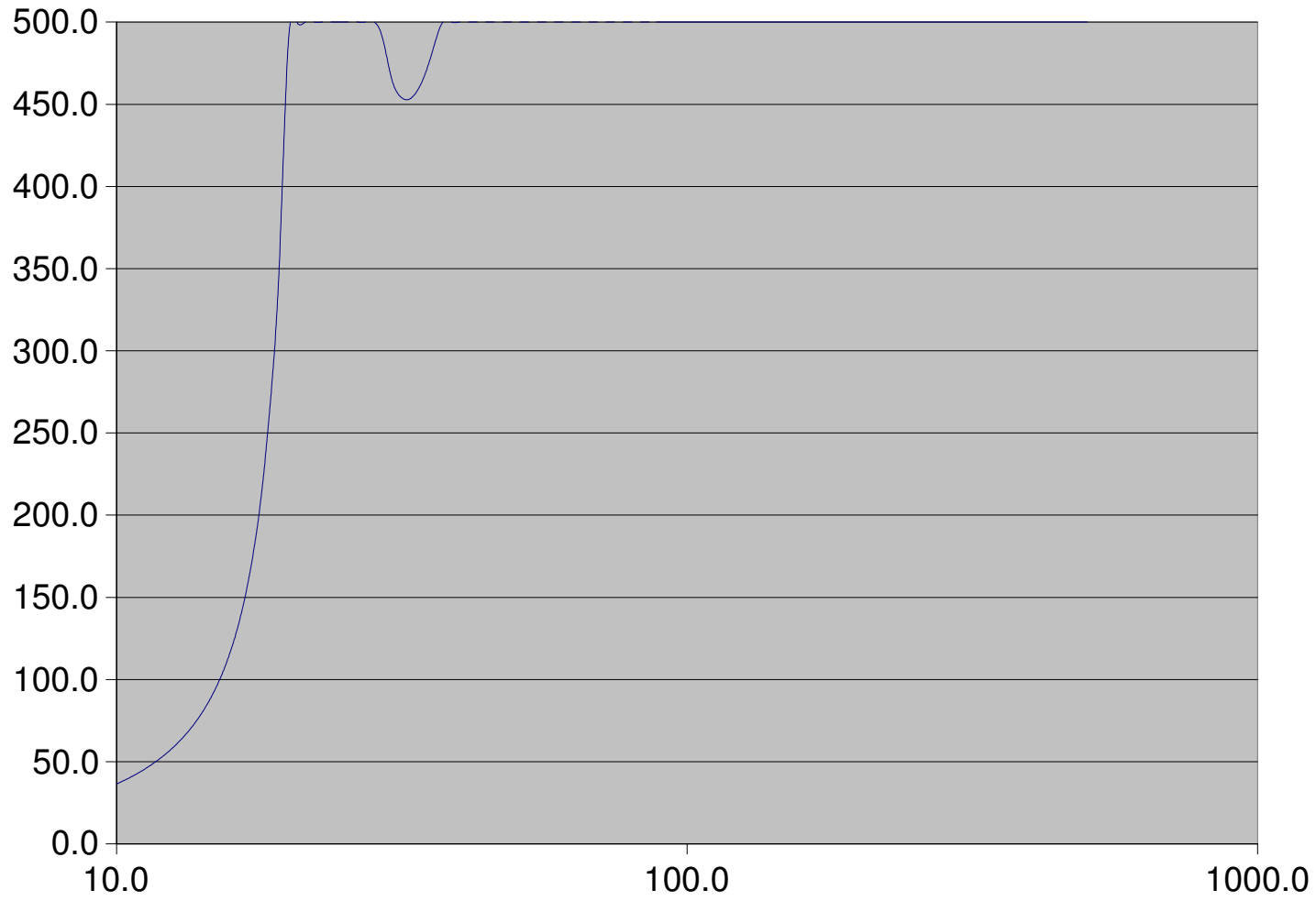


PR velocity [m/s]



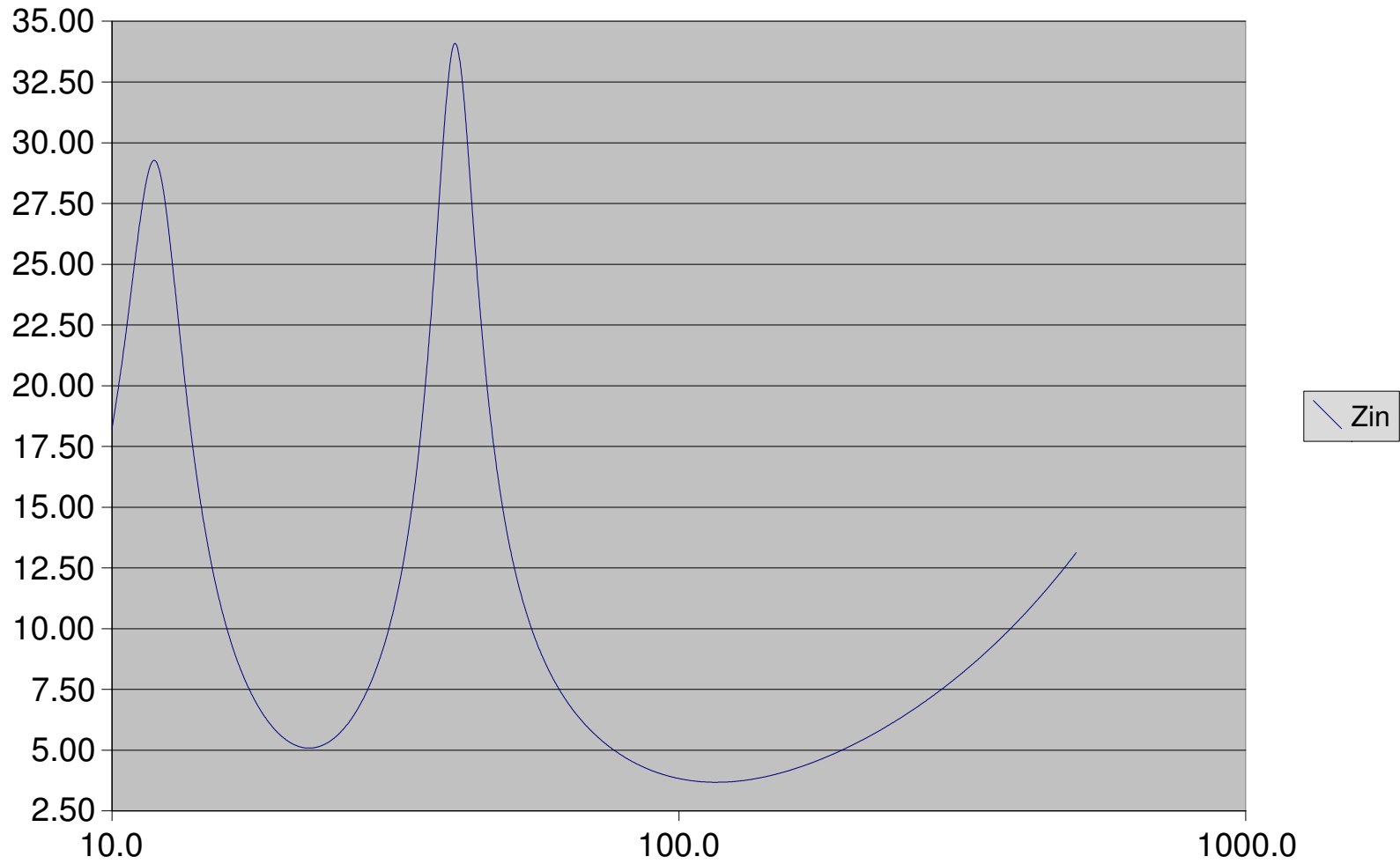
■ PR velocity

Power [Watts]



power

Input Impedance [ohms]



Group Delay [s], Phase [degrees]

