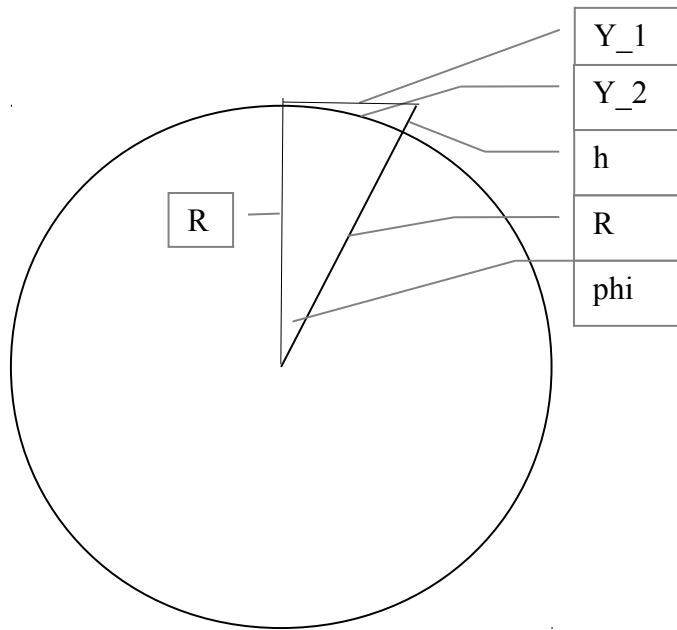


Horizont (Sichtbereiche)



Formeln:

$$(R+h)^2=R^2+h^2$$

$$y_1=(2*R*h+h^2)^{0,5}$$

$$y_2=phi*R$$

$$phi=arctan(y_1/R)$$

$$y_2=R*arctan(y_1/R)$$

$$R=6,3*10^6 \text{ m}$$

Höhe über Boden	Horizont	dito Bodenbezogen	
m	km	km	km
0,0	0,000	0,000	0,000
0,5	2,510	2,510	2,510
1,0	3,550	3,550	3,550
1,5	4,347	4,347	4,347
2,0	5,020	5,020	5,020
5,0	7,937	7,937	7,937
10,0	11,225	11,225	11,225
15,0	13,748	13,748	13,748
20,0	15,875	15,874	15,874
50,0	25,100	25,100	25,100
100,0	35,497	35,496	35,496
500,0	79,374	79,370	79,370
1.000,0	112,254	112,242	112,242
2.000,0	158,758	158,724	158,724
4.000,0	224,535	224,440	224,440
6.300,0	281,815	281,627	281,627
10.000,0	355,106	354,730	354,730
100.000,0	1126,943	1115,148	1115,148
1.000.000,0	3687,818	3336,424	3336,424
6.300.000,0	10911,920	6597,345	6597,345
10.000.000,0	15033,296	7395,944	7395,944
10.000.000.000,0	10006298,017	9892,050	9892,050
1,0E+20	1,0E+17	9896,017	9896,017 (Rechenfehler gering):

Obergrenze wäre
(Rechenfehler gering):

9896,02