

- `reset () :digits:=16:d:=1/1000:lambda:=1:`

Mindestverhältnis h/Lambda für d, lmin=25*d

- `kmin:=float (25*d/lambda);`

0.025

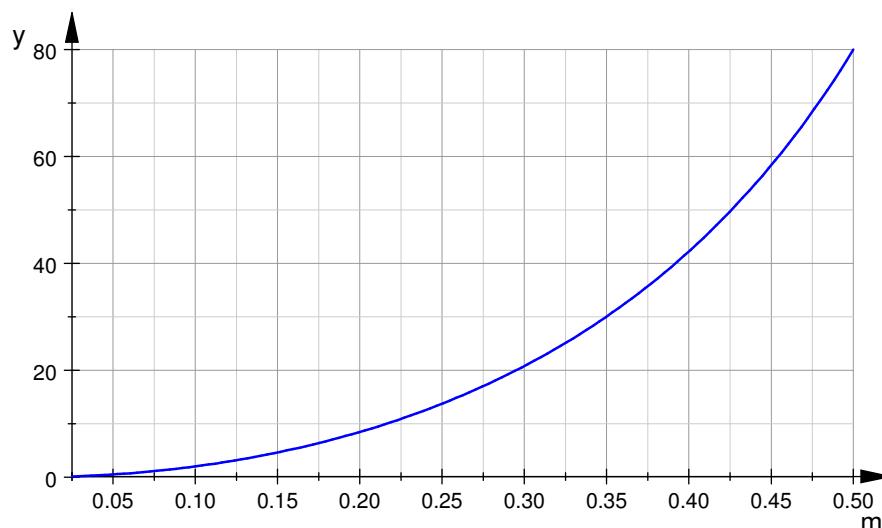
MEINKE-Funktionen

- `heff:=(k)->lambda/PI*tan(PI/2*k):`
- `Zm:=(k)->120*ln(2*k*lambda/d-1):`
- `Z_Re:=(k)->80*PI^2*(heff(k)/lambda)^2:`
- `Z_Im:=(k)->-Zm(k)*cot(PI*k):`

Resistanz über l/Lambda

- `plotfunc2d(Z_Re(m), m=kmin..1/2, GridVisible=TRUE, SubgridVisible=TRUE, AdaptiveMesh=4, Height=80*unit::mm, Width=120*unit::mm, Header="Resistanz"):`

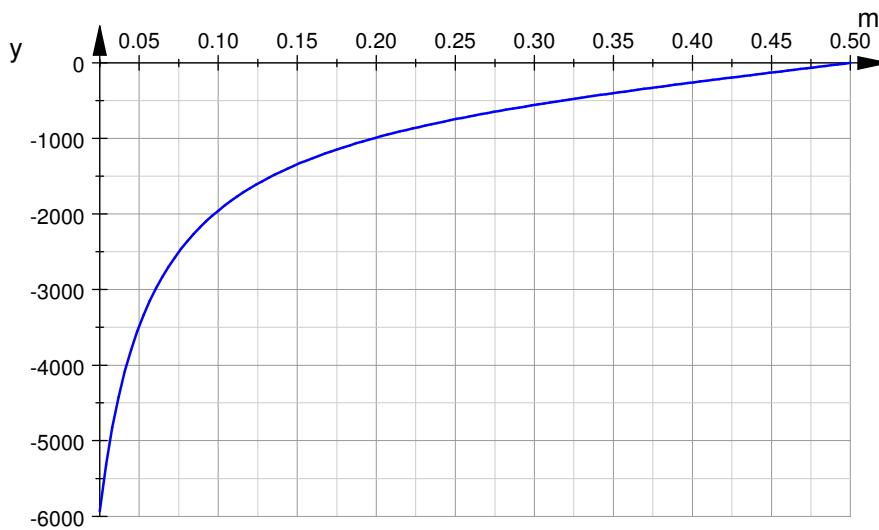
Resistanz



Reaktanz Antennenimpedanz über l/Lambda

- `plotfunc2d(Z_Im(m), m=kmin..1/2, GridVisible=TRUE, SubgridVisible=TRUE, AdaptiveMesh=4, Height=80*unit::mm, Width=120*unit::mm, Header="Reaktanz"):`

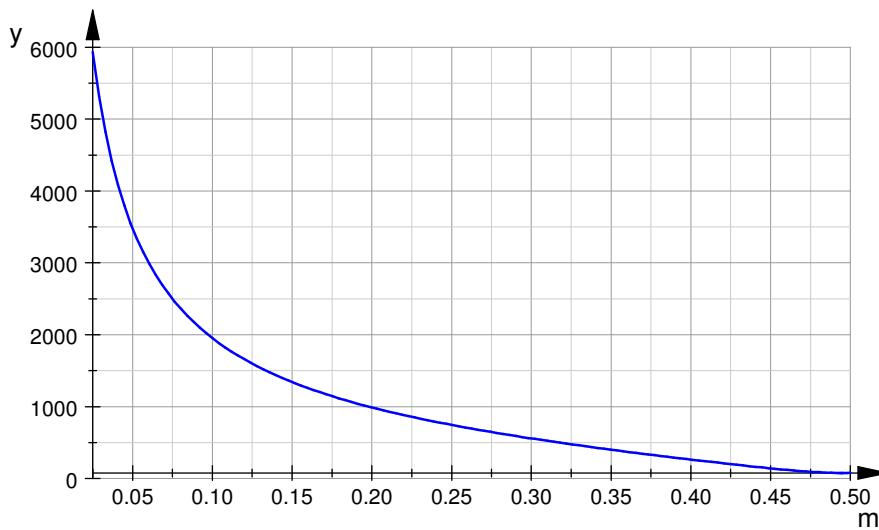
Reaktanz



Betrag der Antennenimpedanz über l/Lambda

- `plotfunc2d(sqrt(Z_Re(m)^2+Z_Im(m)^2), m=kmin..1/2, GridVisible=TRUE, SubgridVisible=TRUE, AdaptiveMesh=4, Height=80*unit::mm, Width=120*unit::mm, Header="Betrag Impedanz") :`

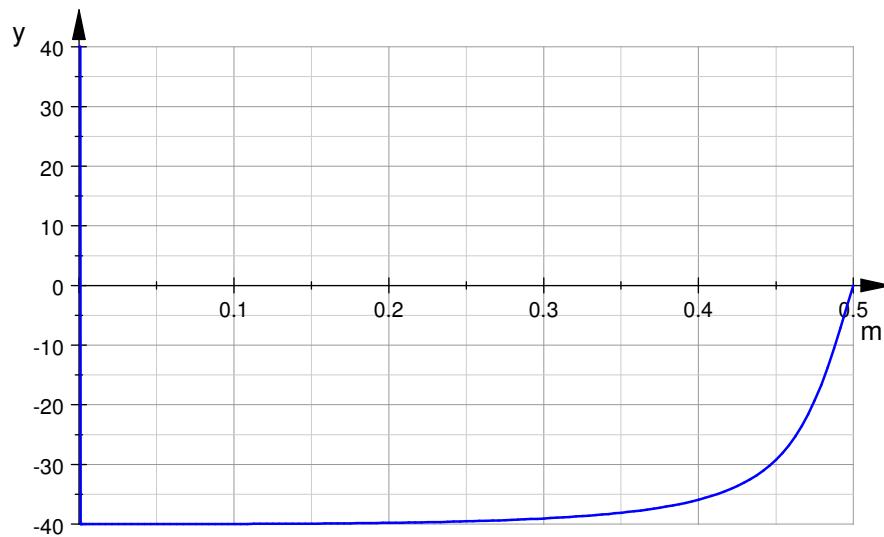
Betrag Impedanz



Winkel der Antennenimpedanz über l/Lambda

- `plotfunc2d(80/PI*arctan(Z_Im(m)/Z_Re(m)), m=0..1/2, GridVisible=TRUE, SubgridVisible=TRUE, AdaptiveMesh=4, Height=80*unit::mm, Width=120*unit::mm, Header="Winkel Impedanz") :`

Winkel Impedanz



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