

Sinus- und Kosinus-Wunderdinge

Prof. Dr. Dörte Haftendorn, Mathematik mit MuPAD 4, Mai 07

Existiert mit ausführlichen Kommentaren und Berechnungen in Mathematica-Web

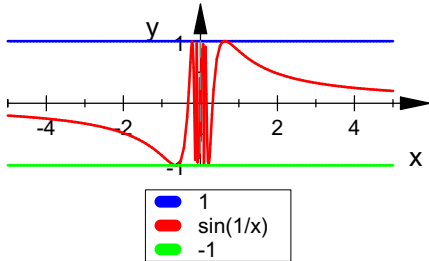
<http://haftendorn.uni-lueneburg.de>

www.mathematik-verstehen.de

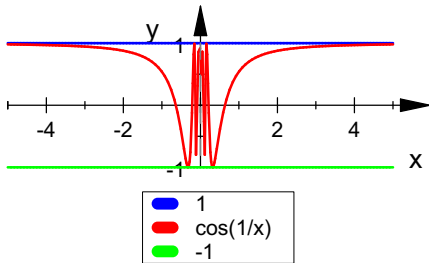
#####

Graphen-Spielwiese

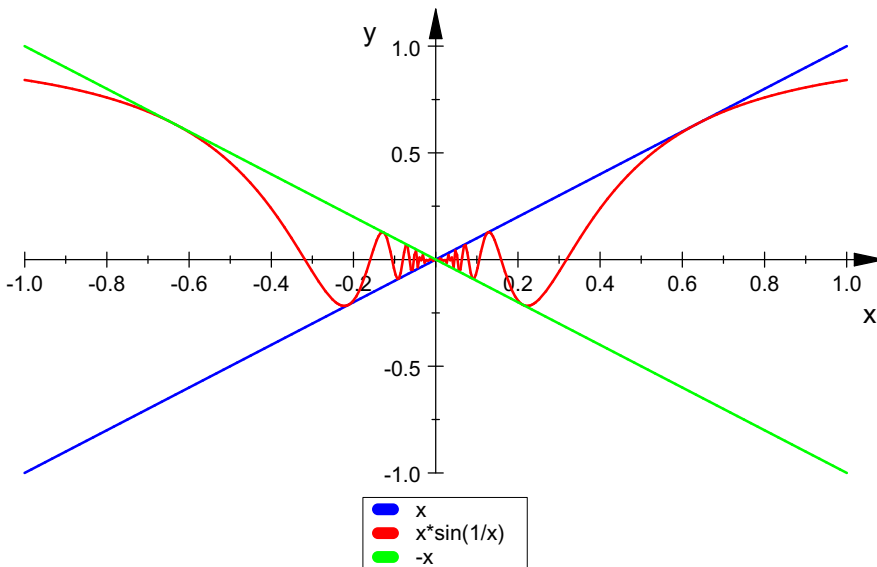
`plotfunc2d(1, sin(1/x), -1)`



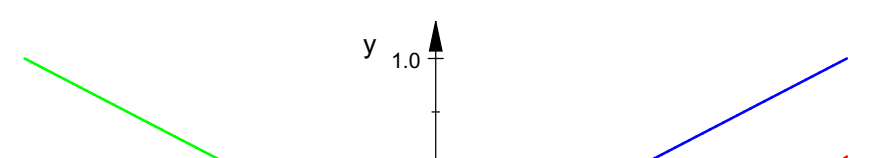
`plotfunc2d(1, cos(1/x), -1)`

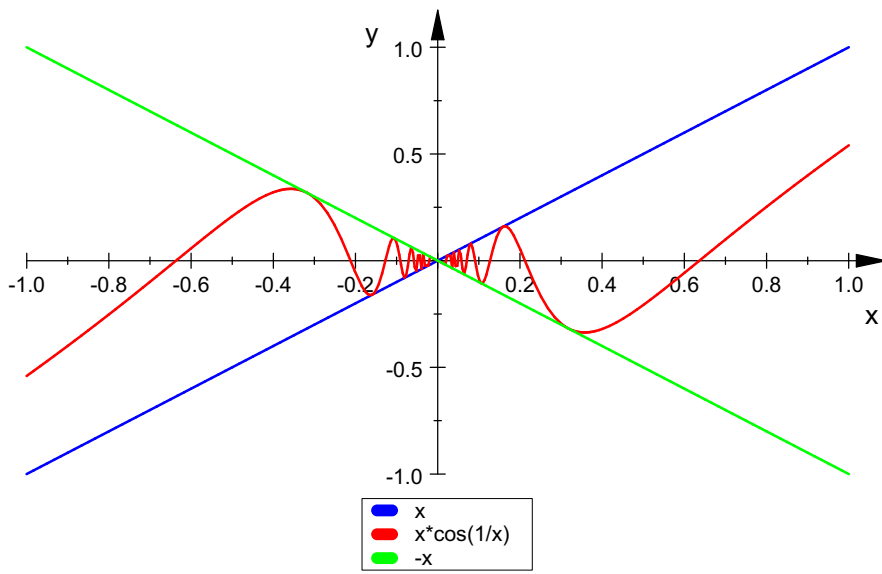


`plotfunc2d(x, x*sin(1/x), -x, x=-1..1)`

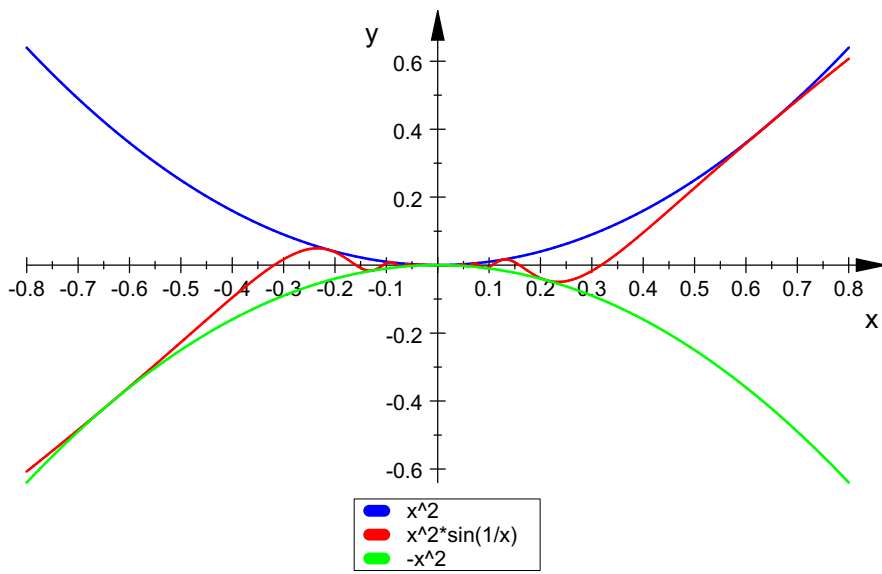
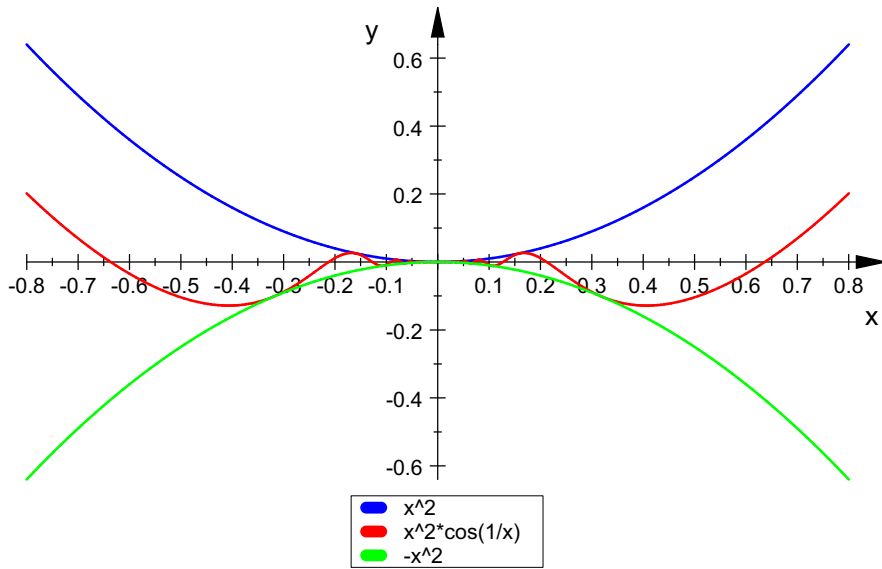


`plotfunc2d(x, x*cos(1/x), -x, x=-1..1)`





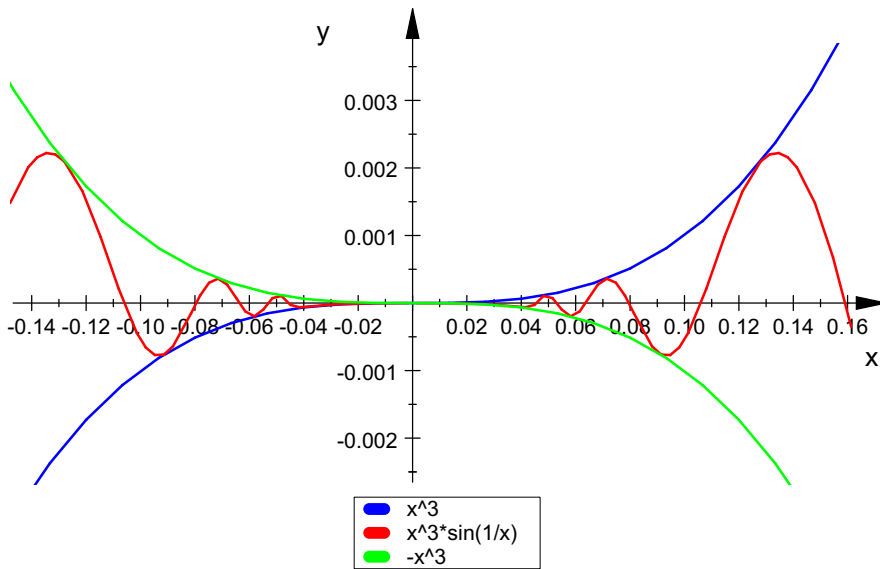
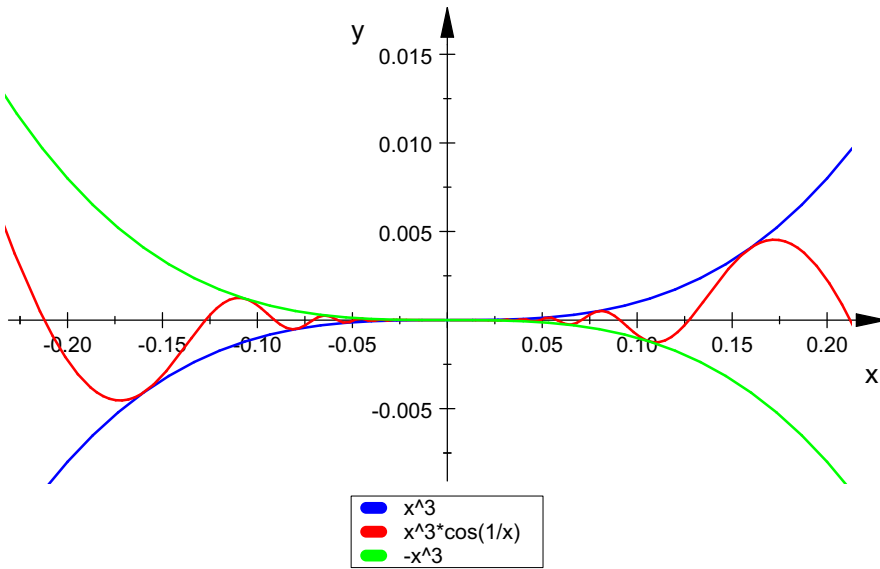
```
plotfunc2d(x^2,x^2*cos(1/x),-x^2, x=-0.8..0.8);
plotfunc2d(x^2,x^2*sin(1/x),-x^2, x=-0.8..0.8)
```



```

plotfunc2d(x^3,x^3*cos(1/x),-x^3, x=-0.8..0.8);
plotfunc2d(x^3,x^3*sin(1/x),-x^3, x=-0.8..0.8)

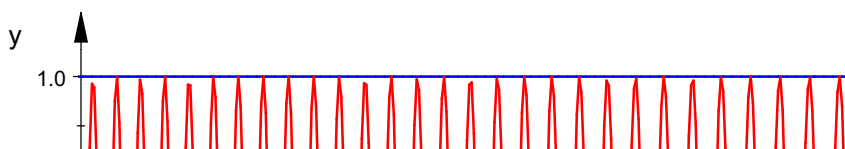
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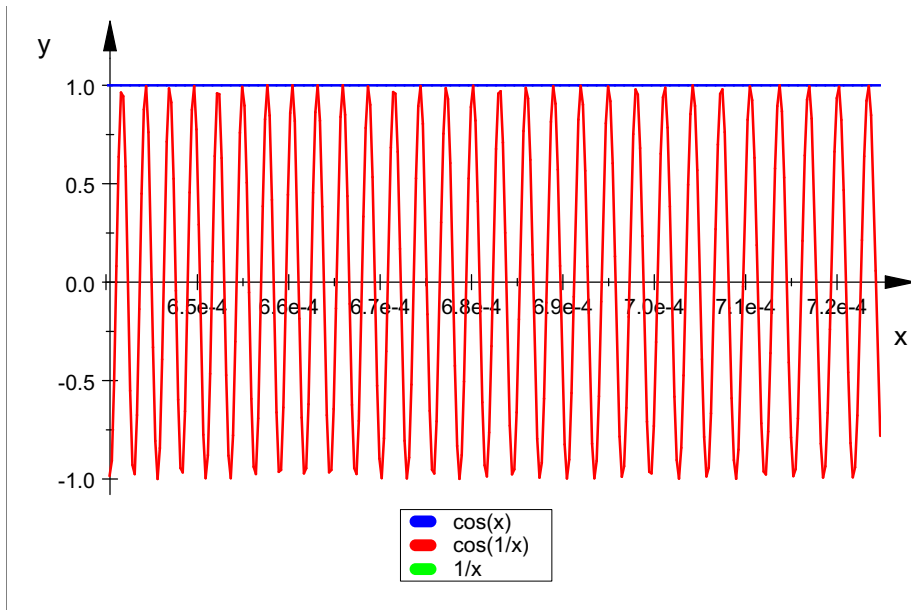


```

plotfunc2d(cos(x), cos(1/x), 1/x, Mesh=1000, x=-0..0.001,
ViewingBoxYRange=-1..1)

```





```
plotfunc2d(x^3,x^3*cos(1/x),-x^3,Mesh=1000,x=-2..2,
ViewingBoxYRange=-1..1)
```

