

Inhaltsverzeichnis

1. Datei:Polarisation (Circular).png	8
2. Antennenkompendium	4
3. Benutzer:Oe1mcu	6

Datei:Polarisation (Circular).png

Aktuelle Version vom 12. Dezember 2009, 20:13 Uhr (Quelltext anzeigen)

[Oe1mcu](#) ([Diskussion](#) | [Beiträge](#))

(==Mathematica Code== This figure requires the use of Arrow3D, which is not included in the StandardPackages (as of Feb 2007). This can be obtained from Wolfram Research at [http://library.wolfram.com/infocenter/TechNotes/4117/ this location]. The require)

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```
<< Graphics`  
<< Arrow3D`Arrow3D`
```

The code is:

```
wavefunction = ParametricPlot3D[{Sin[4t], -Cos[4t], t}, {t, 0, 5},  
BoxRatios -> {1, 1, 4}, ImageSize -> 400, Boxed -> False, Axes ->  
False, PlotPoints -> 600, ViewPoint -> {2, 2, 2}, PlotRange -> All]  
  
repsi = ParametricPlot3D[{Sin[4t], -1, t, RGBColor[1, 0, 0]}, {t, 0, 5},  
BoxRatios -> {4, 1, 1}, ImageSize -> 500,  
Boxed -> False, Axes -> False, PlotPoints -> 600, PlotRange -> All]  
  
impsi = ParametricPlot3D[{-1, -Cos[4t], t, RGBColor[0, 0, 102/255]}, {t, 0, \ 5},  
BoxRatios -> {4, 1, 1}, ImageSize -> 500, Boxed -> False, Axes -> False,  
PlotPoints -> 600, PlotRange -> All]  
  
end = ParametricPlot3D[{Sin[t], -Cos[t], 0}, {t, 0, 2π}, BoxRatios -> {4, 1, 1},  
ImageSize -> 500, Boxed -> False, Axes -> False, PlotPoints -> 600, PlotRange -> All]  
  
xaxis = Graphics3D[Arrow3D[{0, 0, -1}, {0, 0, 6}], HeadSize -> UniformSize[.5],  
HeadColor -> Black]  
  
uaxis = Graphics3D[Arrow3D[{0, -1, 0}, {0, 3, 0}], HeadSize -> UniformSize[.5],  
HeadColor -> Black]  
  
vaxis = Graphics3D[Arrow3D[{-1, 0, 0}, {3, 0, 0}], HeadSize -> UniformSize[.5],  
HeadColor -> Black]
```

```
plane = Graphics3D[Polygon[{{1.2, 1.2, 0}, {1.2, -1.2, 0}, {-1.2, -1.2, 0}, {-1.2, 1.2, 0}}]]

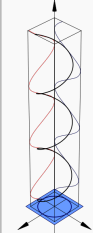
crate = WireFrame[Graphics3D[Cuboid[{1, 1, 0}, {-1, -1, 5}]]]

Show[wavefunction, xaxis, uaxis, vaxis, plane, repsi, impsi, end, crate]
```

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Dateiversionen

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	Version vom	Vorschaubild	Maße	Benutzer	Kommentar
aktuell	20:13, 12. Dez. 2009		240 × 600 (30 KB)	Oe1mcbu (Diskussion Beiträge)	==Mathematica Code== This figure requires the use of Arrow3D, which is not included in the StandardPackages (as of Feb 2007). This can be obtained from Wolfram Research at [http://library.wolfram.com/infocenter/TechNotes/4117/this location]. The require

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Dateiverwendung

Die folgende Seite verwendet diese Datei:

- Antennenkompendium

Datei:Polarisation (Circular).png: Unterschied zwischen den Versionen

Aktuelle Version vom 12. Dezember 2009, 20:13 Uhr (Quelltext anzeigen)

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plane = Graphics3D[Polygon[{{1.2, 1.2, 0}, {1.2, -1.2,  
    0}, {-1.2, -1.2, 0}, {-1.2, 1.2, 0}}]]  
  
crate = WireFrame[Graphics3D[Cuboid[{1, 1, 0}, {-1, -1, 5}]]]  
  
Show[wavefunction, xaxis, uaxis, vaxis, plane, repsi, impsi, end, crate]
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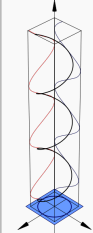
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