Inhaltsverzeichnis

Datei:Polarisation (Linear).png

Aktuelle Version vom 12. Dezember 2009, 20:12 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)

(kein Unterschied)

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Mathematica Code

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

The code is:

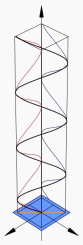
```
wavefunction=ParametricPlot3D[{Sin[4t],-Sin[4t],t},{t,0,5},
    BoxRatios\[Rule]{1,
      1,4},ImageSize\[Rule]400,Boxed\[Rule]False,Axes\[Rule]False,
      PlotPoints\[Rule]60,ViewPoint->{2,2, 2},PlotRange\[Rule]All]

repsi=ParametricPlot3D[{Sin[4t],-1,t,RGBColor[1,0,0]},{t,0,5},
      BoxRatios\[Rule]{4,1,1},ImageSize\[Rule]500,
      Boxed\[Rule]False,Axes\[Rule]False,
        PlotPoints\[Rule]60,PlotRange\[Rule]All]

impsi=ParametricPlot3D[{-1,-Sin[4t],t,RGBColor[0,0,102/255]},{
    t,0,5},BoxRatios\[Rule]{4,1,1},ImageSize\[Rule]500,Boxed\[Rule]False,
      Axes\[Rule]False,PlotPoints\[Rule]60,PlotRange\[Rule]All]

end=ParametricPlot3D[{Sin[t],-Sin[t],0},{t,0,2π},BoxRatios\[Rule]{4,1,1},
    ImageSize\[Rule]500,Boxed\[Rule]False,Axes\[Rule]False,
      PlotPoints\[Rule]10,PlotRange\[Rule]All]

xaxis=Graphics3D[Arrow3D[{0,0,-1},{
  0,0,6},HeadSize \[Rule] UniformSize[.5],HeadColor\[Rule]Black]]

uaxis=Graphics3D[Arrow3D[{0,-1,0},{0,3,0},HeadSize \[Rule]
    UniformSize[.5],HeadColor\[Rule]Black]]

vaxis=Graphics3D[Arrow3D[{-1,0,0},{3,0,0},HeadSize \[Rule]
      UniformSize[.5],HeadColor\[Rule]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]
```

Quelle: de.wikipedia.org

Dateiversionen

Klicken Sie auf einen Zeitpunkt, um diese Version zu laden.

	Version vom	Vorschaubild	Maße	Benutzer	Kommentar
aktuell	20:12, 12. Dez. 2009		240 × 600 (30 KB)	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

Sie können diese Datei nicht überschreiben.

Dateiverwendung

Die folgende Seite verwendet diese Datei:

- Antennenkompendium