

The **mdframed** package

Examples for **framemethod=PSTricks**

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In this document I collect various examples for **framemethod=PSTricks**. Some presented examples are more or less exorbitant.

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1 Loading

In the preamble only the package **mdframed** width the option **framemethod=PSTricks** is loaded. All other modifications will be done by **\mdfdefinestyle** or **\mdfsetup**.

Note

Every **\global** inside the examples is necessary to work with the package **showexpl**.

2 Examples

All examples have the following settings:

```
\mdfsetup{skipabove=\topskip,skipbelow=\topskip}
\newrobustcmd{\ExampleText}{%
```

An **\textit{inhomogeneous linear}** differential equation has the form

```
\begin{align}
L[v] = f,
\end{align}
```

where **\$L\$** is a linear differential operator, **\$v\$** is the dependent variable, and **\$f\$** is a given non-zero function of the independent variables alone.

}

Example 1 – very simple

```
\global\mdfdefinestyle{exampledefault}{%
    linecolor=red,middlelinewidth=3pt,%
    leftmargin=1cm,rightmargin=1cm
}
\begin{mdframed}[style=exampledefault,roundcorner=5]
\ExampleText
\end{mdframed}
```

An *inhomogeneous linear* differential equation has the form

$$L[v] = f, \quad (1)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Example 2 – hidden line + frame title

```
\global\mdfapptodefinestyle{exampledefault}{%
    topline=false,rightline=false,bottomline=false,
    frametitlerule=true,inertopmargin=6pt,
    outerlinewidth=6pt,outerlinecolor=blue,
    pstricksappsetting={\addtopsstyle{\mdfouterlinestyle}{linestyle=dashed}},
    innerlinecolor=yellow,innerlinewidth=5pt}%
\begin{mdframed}[style=exampledefault,frametitle={Inhomogeneous linear}]
\ExampleText
\end{mdframed}
```



Inhomogeneous linear

An *inhomogeneous linear* differential equation has the form

$$L[v] = f, \quad (2)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Example 3 – Dash Lines

[morekeywords=pstrickssetting,linestyle,dashed]

```
\global\mdfdefinestyle{exampledefault}{%
    pstrickssetting={linestyle=dashed},linecolor=red,middlelinewidth=2pt}
\begin{mdframed}[style=exampledefault]
\ExampleText
\end{mdframed}
```

An *inhomogeneous linear* differential equation has the form

$$L[v] = f, \quad (3)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Example 4 – Double Lines

```
\global\mdfdefinestyle{exampledefault}{%
    pstricksappsetting={\addtopsstyle{mdfmiddlelinestyle}{%
        doubleline=true,doublesep=6pt,linewidth=4pt}},%
    linecolor=red,middlelinewidth=16pt}
\begin{mdframed}[style=exampledefault]
\ExampleText
\end{mdframed}
```

An *inhomogeneous linear* differential equation has the form

$$L[v] = f, \quad (4)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.

Example 5 – Shadow frame

```
\newmdenv[shadow=true,
           shadowsize=11pt,
           linewidth=8pt,
           frametitlerule=true,
           roundcorner=10pt,
           ]{myshadowbox}
\begin{myshadowbox}[frametitle={Inhomogeneous linear}]
\ExampleText
\end{myshadowbox}
```

Inhomogeneous linear

An *inhomogeneous linear* differential equation has the form

$$L[v] = f, \quad (5)$$

where L is a linear differential operator, v is the dependent variable, and f is a given non-zero function of the independent variables alone.