The mdframed package

Examples for frametheme=PSTricks

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In this document I collect various examples for frametheme=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 frametheme=PSTricks is loaded. All other modifications will be done by \mdfdefinestyle or \mdfsetup.

Note

Every \global inside the examples is necessary to work with my own created environment tltxmdfexample*.

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

$$L[v] = f, \tag{1}$$

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,innertopmargin=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

$$L[v] = f, \tag{2}$$

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

$$L[v] = f, \tag{3}$$

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

$$L[v] = f, \tag{4}$$

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

$$L[v] = f, \tag{5}$$

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.