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.

Contents

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`. X

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   *2 Examples*

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   *2 Examples*

Example 3 – Dash Lines

```
\global \mdfdefinestyle {exampledefault}{%
    pstrickssetting={linestyle=dashed,},linecolor=red,linewidth=5pt}
\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}{%
    pstrickssetting={doubleline=true,doublesep=6pt},
    linecolor=red,linewidth=5pt,middlelinewidth=4pt}
\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.