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` with 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 my own created environment `tltxmdfexample*`.

### 2 Examples

All examples have the following settings:

```latex
\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

An inhomogeneous linear differential equation has the form

\[ L[v] = f, \]  

(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

Inhomogeneous linear

An inhomogeneous linear differential equation has the form

\[ L[v] = f, \]  

(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]
An *inhomogeneous linear* differential equation has the form

$$L[v] = f,$$

(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

\begin{mdframed}[style=exampledefault] \ExampleT ext \end{mdframed}

An *inhomogeneous linear* differential equation has the form

$$L[v] = f,$$

(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

\begin{myshadowbox} \frametitle={Inhomogeneous linear} \ExampleT ext \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.