

# the gradientframe package\*

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(after being exposed to gravity)

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## Abstract

The `gradientframe` package provides a command, `\gradientframe`, for simple discreet grayscale gradient frames around objects, such as images or tables, to set them apart from the surrounding text.

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\*This document corresponds to `gradientframe` v0.1a, dated 2011/02/10.

# 1 Introduction

The `gradientframe` package is loaded in the usual way, i.e. by putting the line

```
\usepackage{gradientframe}
```

in the document's preamble. The `gradientframe` package depends on the `color` package which is loaded by the `gradientframe` package if not already done so far in the document's preamble.

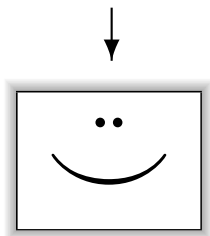
## 2 Usage

`\gradientframe` To frame an object, such as figure, table, etc., use `\gradientframe{<object>}`. By using `\gradientframe[<width>]{<object>}`, a space between the frame and the object (in all four directions) can be added.

## 3 Examples

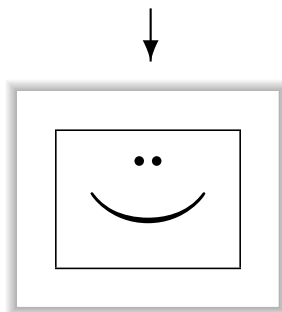
### 3.1 Frame surrounding a figure

```
1 \begin{center}
2   \gradientframe{\includegraphics{image.jpg}}
3 \end{center}
```



### 3.2 Frame surrounding a figure with additional space

```
1 \begin{center}
2   \gradientframe[5mm]{\includegraphics{image.jpg}}
3 \end{center}
```



### 3.3 Frame surrounding a table

```
1 \begin{center}
2   \gradientframe{%
3     \begin{tabular}{r|l}
4       \textbf{column A} & \textbf{column B} \\ \hline
5       cell 1A          & cell 1B          \\ \hline
6       cell 2A          & cell 2B          \\ \hline
7       cell 3A          & cell 3B          \\
8     \end{tabular}%
9   }
10  \end{center}
```



<b>column A</b>	<b>column B</b>
cell 1A	cell 1B
cell 2A	cell 2B
cell 3A	cell 3B

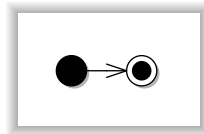
Be careful not to produce unintentional space when breaking lines. Add comments at line endings if needed to prevent this, as shown in lines 2 and 8. Otherwise the result will look like this:

<b>column A</b>	<b>column B</b>
cell 1A	cell 1B
cell 2A	cell 2B
cell 3A	cell 3B

### 3.4 Frame surrounding a MetaPost figure

If you want to draw a frame around a MetaPost (or in the case of this example, MetaUML) generated figure, use the `\empuse` command.

```
1 \begin{center}
2   \begin{empfile}
3     \begin{empcmds}
4       input metauml;
5     \end{empcmds}
6     \begin{empdef}[unique_name](0,0)
7       save start, end;
8       Begin.start;
9       End.end;
10      leftToRight(15)(start, end);
11      drawObjects(start, end);
12      clink(transition)(start, end);
13    \end{empdef}
14    \gradientframe[5mm]{\empuse{unique_name}}
15  \end{empfile}
16 \end{center}
```



Alternatively, you could outsource both, the `empdef` environment and the `\empuse` command to a separate file, and use `\input{filename}` as argument to the `\gradientframe` command.