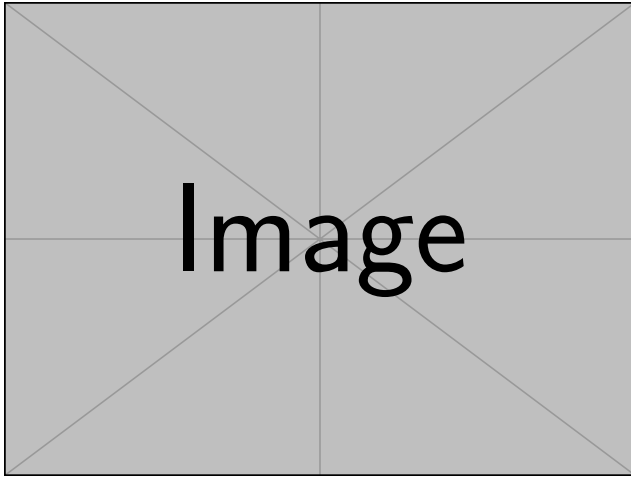


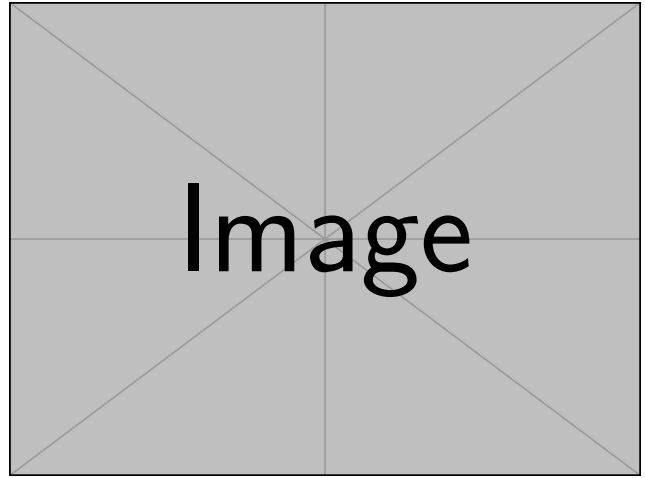
A few examples and convenience macros in LaTeX

Arturo Popoli

February 13, 2023

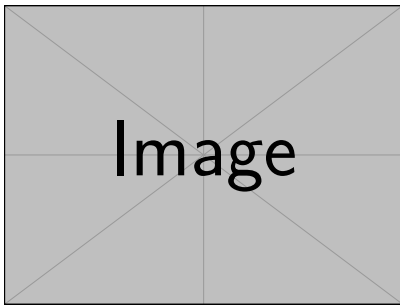


(a) Description of (a)

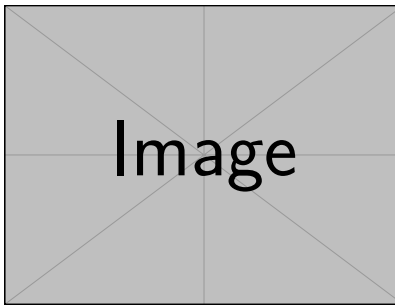


(b) Description of (b)

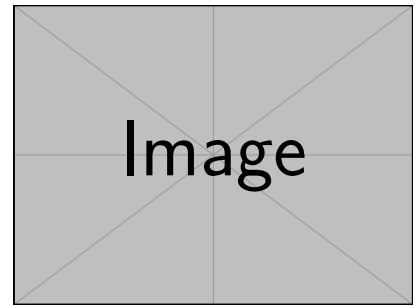
Figure 1: Description of the two images



(a) Descr...



(b) Descr Second image



(c) Third image

Figure 2: Description of the three images

0.1 Two and three figures side by side

As one can see in Figs. 1 and 2...

0.2 Text colors

Text in Red

Text in Blue

0.3 Vector quantities and operators

Vector Bold **A**

Bold arrow $\vec{\mathbf{A}}$

Vector unit $\hat{\mathbf{j}}$

Dot product \cdot

Cross product \times

Divergence: $\nabla \cdot \mathbf{A}$

Curl: $\nabla \times \mathbf{A}$

Gradient: ∇A

0.4 Derivatives

Differential: dA

Derivative: $\frac{df}{dx}$

Partial derivative: $\frac{\partial f}{\partial x}$

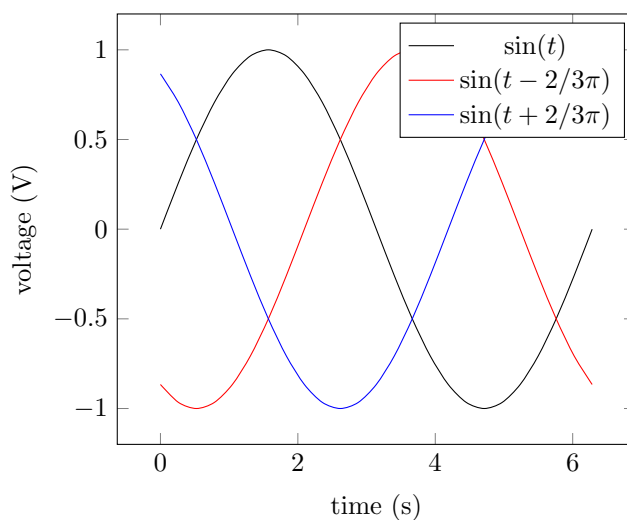
0.5 Options for AP macros

As in Physics package, default options are:

```
\ExecuteOptions{trig , uprightdiff , bolddel}
```

Just remove `bolddel` to get back to non-bold vector operators.

0.6 Plotting analytical functions



0.7 Plotting from tabulated data

