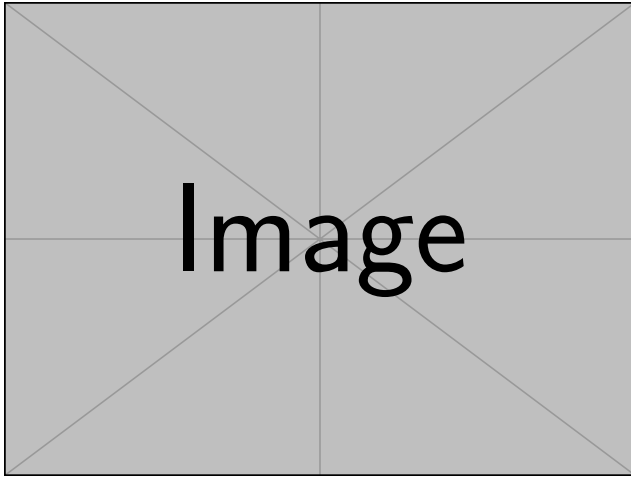


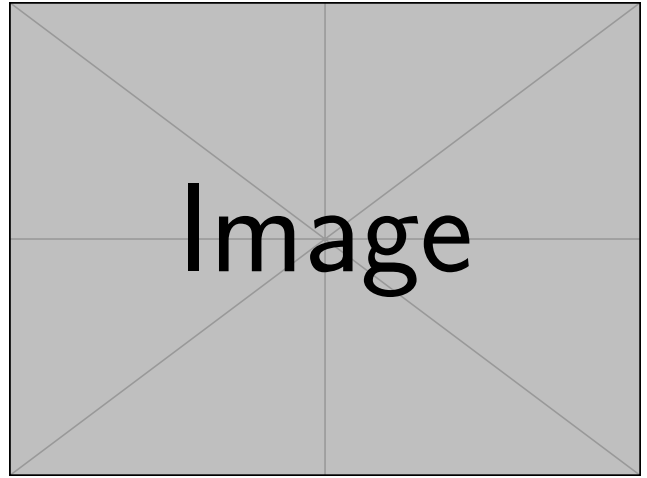
A few examples and convenience macros in LaTeX

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(a) Description of (a)



(b) Description of (b)

Figure 1: Description of the two images

rfield	mobility
6.00E+00	1.90E+00
8.00E+00	1.89E+00
1.00E+01	1.88E+00
1.20E+01	1.88E+00
1.50E+01	1.87E+00
2.00E+01	1.85E+00
2.50E+01	1.84E+00
3.00E+01	1.83E+00
4.00E+01	1.80E+00
5.00E+01	1.76E+00
6.00E+01	1.72E+00
8.00E+01	1.66E+00
1.00E+02	1.60E+00
1.20E+02	1.54E+00
1.50E+02	1.47E+00
2.00E+02	1.37E+00
2.50E+02	1.28E+00
3.00E+02	1.20E+00
4.00E+02	1.10E+00
5.00E+02	1.02E+00
6.00E+02	9.50E-01
8.00E+02	8.50E-01

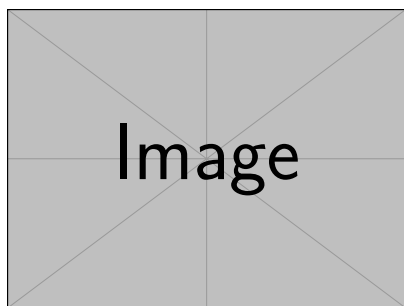
0.1 Two and three figures side by side

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

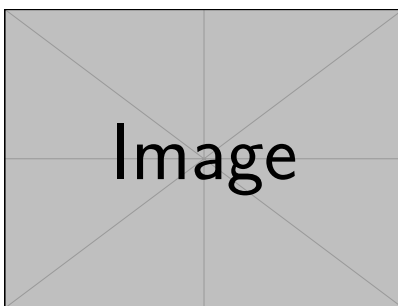
0.2 Text colors

Text in Red

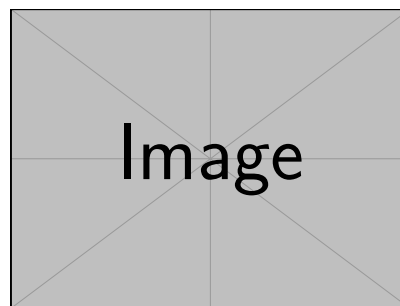
Text in Blue



(a) Descr...



(b) Descr Second image



(c) Third image

Figure 2: Description of the three images

0.3 Parenthesis

$$\left(\sum_a^b\right) \quad (1)$$

$$\left[\sum_a^b\right] \quad (2)$$

$$\left\{\sum_a^b\right\} \quad (3)$$

0.4 Vector quantities and operators

Vector Bold \mathbf{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

0.5 Derivatives

Differential: dA
 Derivative: $\frac{df}{dx}$
 Partial derivative: $\frac{\partial f}{\partial x}$

0.6 Chemistry

AP macros loads the `mhchem` package



0.7 Numbers

AP macros loads the `sinunitx` package, which allows to specify the desired precision. If `round-precision = 2`, `\num{3,1415926535}` displays 3.14.
 Only number: 3.14

Number and units: $6.02 \times 10^{-19} \text{ N m}^{-2}$

Only units: C

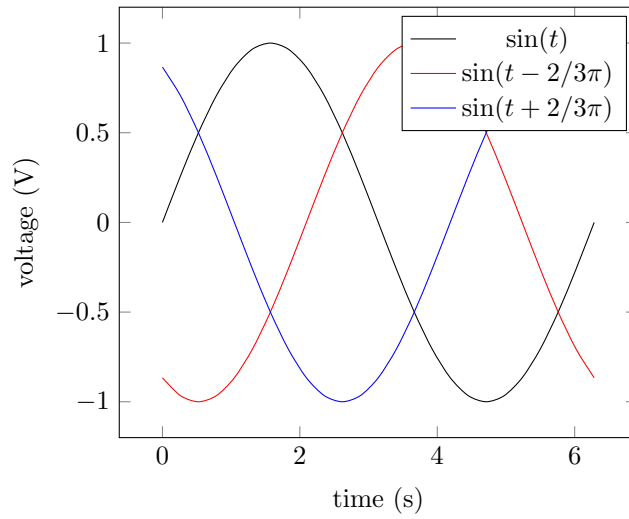
0.8 Options for AP macros

As in Physics package, default options are:

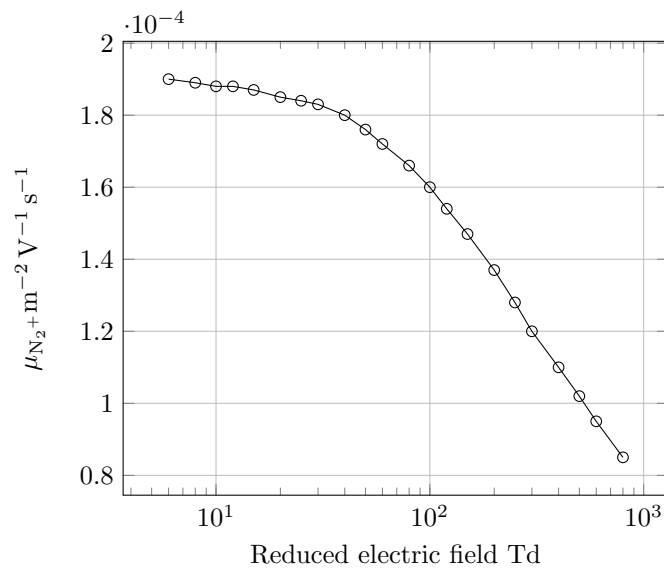
```
\ExecuteOptions{trig , uprightdiff , bolddel}
```

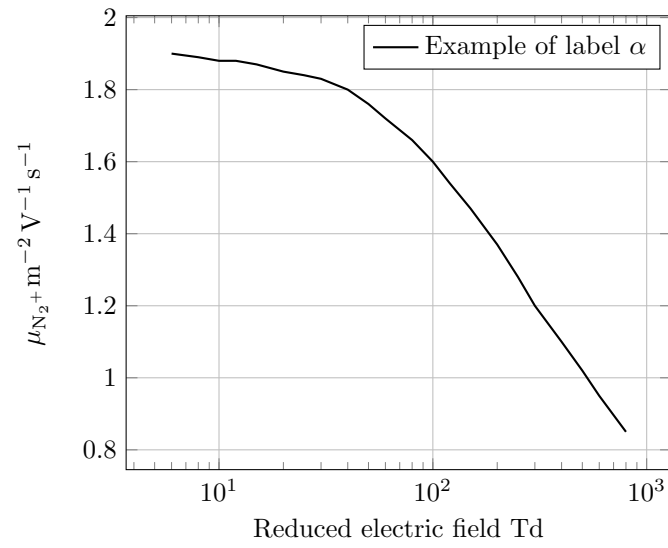
Just remove **bolddel** to get back to non-bold vector operators.

0.9 Plotting analytical functions



0.10 Plotting from tabulated data





0.11 Plotting data in external .csv file