Homework Answer Sheet

Chapter ?? : Chapter title

Exercise 1 p.42 : Introduction

This class serves a purely cosmetic purpose. It aims to automate common tasks and maintain a consistent appearance for all answer keys. Additionally, it streamlines repetitive tasks, such as changing fonts for students with dyslexia.

Exercise 2 p.42 : Class Features

The class offers a few key features :

a. You can change the accent color using the `\colorlet{cPrim}{...}` command in the document preamble.

b. The class loads the `enumitem` package to provide flexible and consistent numbering options, including alphabetical, Arabic, or Roman numeric numbering.

c. The class comes with the `siunitx` and `cancel` packages preloaded, allowing you to format units and expressions effortlessly. For example:

$$\begin{aligned} & v = \frac{d}{\Delta t} \\ \textbf{AN :} \quad & v = \frac{3{,}0\,\mathrm{m}}{5{,}0\,\mathrm{s}} \\ & = 0{,}6\,\mathrm{m}\cdot\mathrm{s}^{-1} \end{aligned}$$

d. To comply with the curriculum that allows units to be optional in calculation development, you can use the `\SIgray` command to gray out units:

$$\begin{aligned} & v = \frac{d}{\Delta t} \\ \textbf{AN :} \quad & v = \frac{3{,}0\,\mathrm{m}}{5{,}0\,\mathrm{s}} \\ & = 0{,}6\,\mathrm{m}\cdot\mathrm{s}^{-1} \end{aligned}$$

Exercise 3 p.42 : Class Options

Some options can be provided to the class :

code Enables code typesetting by importing the `listings` package. This feature is useful for teaching Python for physics :

```
#!/usr/bin/python3
def print_hello_world():
        print("Hello World !")

print_hello_world()
```

OpenDyslexic Changes the document font to OpenDyslexic, making it more accessible for dyslexic students.

Here is a sample of the font.

doublespacing Adjusts the font spacing to 2, which is helpful for students with dyslexia.