

Homework Sample Template

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LaTeX Practice

Dependencies

1. linux package aspell-en
2. emacs packages: flyspell, cldatex, auctex, texlive?
3. Make sure that preamble.tex is in the same folder as the org document

Q1. Let's try some stuff out

- To see latex snippets use ctrl-(c x l). cancel with ctrl-(c c)
- How about some fractions?

$$\frac{1}{2} + 7 = 7.5$$

- Let's try the continuity equation

$$\frac{\partial \rho}{\partial t} + \nabla \cdot \left(\frac{1}{2} \rho u \right)$$

Pure Latex seems to work as well:

$$\frac{1}{2} + 6x + x^2 \tag{1}$$

cldatex mode allows for auto-completion:

1. using fr <tab> creates fraction template
2. using ^ raises to a power. x^2
3. equ <tab> creates numbered equation template
4. tilda key opens menu of shortcuts, so tilda d creates δ . Tilda-tilda d creates ∂ .

Workflow

- words in org mode
- math in latex with cldlatex
- export as pdf with M-x org-latex-export-to-pdf RET

ToDo list: [0/4]

- ☐ Learn how to insert figures with descriptions
- ☐ learn how to use bibliography
- ☐ learn how to insert code snippets
- ☐ Learn how to create figure list,