Using LaTeX with Hakyll

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This HTML is generated from LaTeX source via `latex2html` and then embedded into Hakyll-hosted blog. The use of LaTeX will allow us the use of complex expressions e.g. $G_{\mu,\nu} = \frac{8\pi G}{c^4} T_{\mu,\nu}$ and

$$\frac{\partial \vec{v}}{\partial t} = \vec{\nabla} s \tag{1}$$

This attempt seems to basically working, and the few glitches of the previous attempt, like the duplicated title is no more there. Fixing these was easy because all I had to do is to add some Markdown metadata directly to HTML.

I am further trying to use this technology in combination with Haskell DSLs such as authoring, units [Muranushi and Eisenberg, 2014] , units-of-measure plugin [Gundry, 2015] in order to write physical discussions in Haskell and LaTeX.

References

A. Gundry. A typechecker plugin for units of measure. In *Proceedings of the 2015 ACM SIGPLAN symposium on Haskell*, 2015. URL `http://adam.gundry.co.uk/pub/typechecker-plugins/`.

T. Muranushi and R. A. Eisenberg. Experience report: Type-checking polymorphic units for astrophysics research in haskell. In *2014 ACM SIGPLAN Symposium on Haskell*. ACM, 2014. URL `http://dl.acm.org/citation.cfm?id=2633362`.

The content of this page is also availabe as a pdf document: Using LaTeX with Hakyll.