Using LaTeX with Hakyll: 2

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This HTML is generated from LaTeX source via `htlatex` 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 like Equation (equation1).

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

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.

The sad thing is the poor quality of the rendering of the math equations. Some day I'll try out the technique by Todd.

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`.

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