

# Really Cool Chemical Engineering Homework

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## Showing off some features

Let's see some useful tricks! To start, I love the `siunitx` package, but it doesn't always have the US engineering units I need! With the custom units defined in my packages, I can now state with confidence that  $1\text{ ft}^3/\text{min}$  is equal to  $0.471\,947\text{ L/s}$ .

## Adding some citations

One of the best features of the  $\text{\LaTeX}$  document system is citation management. By citing some irrelevant heat transfer papers (Bohnet, 1987; Prabhanjan, Raghavan, & Rennie, 2002), we can see how our citations and bibliography are styled (Wong, Ke, & Ku, 2009).

## References

- Bohnet, M. (1987). Fouling of heat transfer surfaces. *Chemical Engineering & Technology - CET*, 10(1), 113–125. doi:10.1002/ceat.270100115
- Prabhanjan, D., Raghavan, G., & Rennie, T. (2002, February). Comparison of heat transfer rates between a straight tube heat exchanger and a helically coiled heat exchanger. *International Communications in Heat and Mass Transfer*, 29(2), 185–191. doi:10.1016/S0735-1933(02)00309-3
- Wong, K.-L., Ke, M.-T., & Ku, S.-S. (2009, November). The log mean heat transfer rate method of heat exchanger considering the influence of heat radiation. *Energy Conversion and Management*, 50(11), 2693–2698. doi:10.1016/j.enconman.2009.05.024