

# Document Title

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## 1 Introduction

This document is intended to introduce new users to basic features of LyX and to demonstrate those features in a concise fashion. Note that citations work like a charm, such as Refs. 1–5.

## 2 Equations

Equations can be inserted with Insert→Math→Numbered Formula such as

$$e = mc^2, \text{ and} \tag{1}$$

$$\int_0^{\infty} e^{-x} dx = 1. \tag{2}$$

Equations can also be cross referenced, e.g., Eq. 1 and 2.

## 3 Tables & Figures

Tables can also be inserted and there are a plethora of options. Generally, tables are inserted in “floating environments” such as the one shown for Table 1.

Table 1: Example Table, Aligning at Decimal

Datum	Mean ( $\mu$ )	Variance ( $\sigma^2$ )
1	203.0	$13.5 \times 10^5$
2	41.2	1.2

Similarly, images are typically inserted in “floating environments” such as Figure 1.

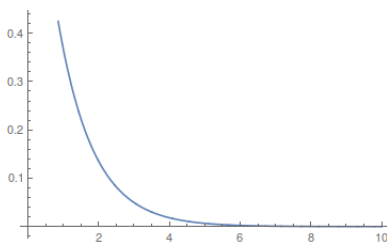


Figure 1: Example Figure

## References

- [1] T. Takeda and H. Ikeda, “3-D Neutron Transport Benchmarks,” *Journal of Nuclear Science and Technology*, vol. 28, no. 7, pp. 656–669, 1991.
- [2] C. A. Wemple, “Benchmarking the HELIOS-2 ENDF/B-VII Library: B&W-1484 and DIMPLE S-06 Criticals,” in *Proceedings of Advances in Nuclear Fuel Management IV (ANFM 2009) Topical Meeting*, (LaGrange Park, IL, USA), American Nuclear Society, 2009.
- [3] K. M. Case and P. F. Zweifel, *Linear Transport Theory*. Addison-Wesley Publishing Company, 1967.
- [4] W. H. Press, S. A. Teukolsky, W. T. Vetterling, and B. P. Flannery, *Numerical Recipes in Fortran 77 — The Art of Scientific Computing*, vol. 1. Cambridge University Press, second ed., 1997.
- [5] B. R. Herman, B. Forget, and K. Smith, “Improved Diffusion Coefficients Generated from Monte Carlo Codes,” in *Proceedings of the M&C 2013 ANS Meeting*, (LaGrange Park, IL, USA), American Nuclear Society, 2009.