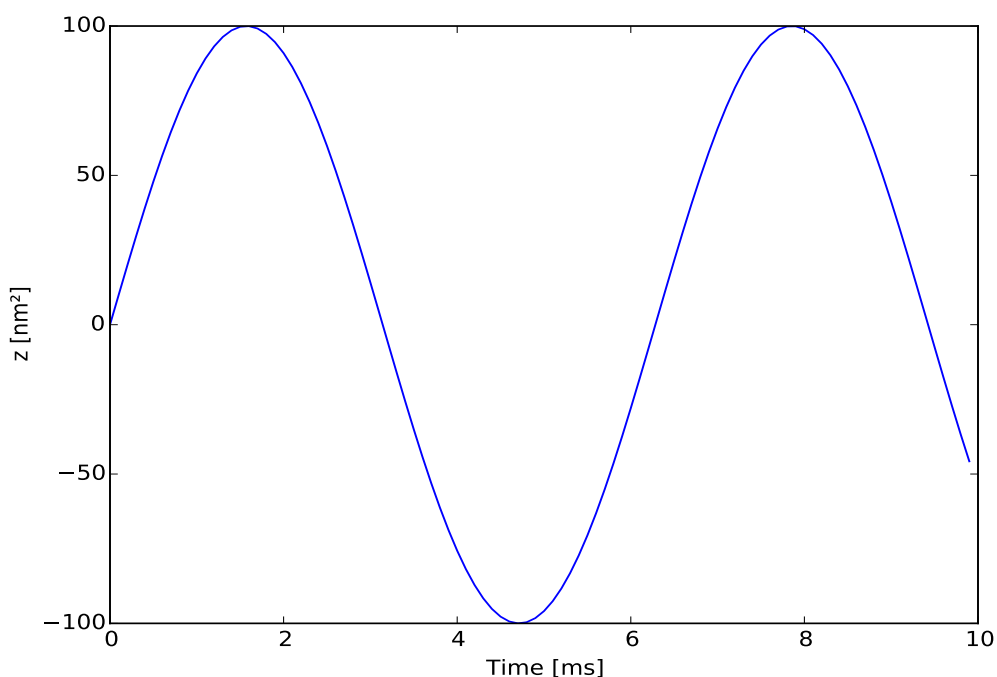## Introduction

Once upon a time, there was prior work[1–4].

Next consider math. Inline math is nice, $\alpha = 2$, as are stand-alone equations,

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

Finally, a figure. See Fig. [fig:sine] below.

This is a figure.

(1) Ernst, R. R.; Bodenhausen, G.; Wokaun, A. *Principles of nuclear magnetic resonance in one and two dimensions*; Clarendon Press: Oxford, 1987.

(2) Rugar, D.; Budakian, R.; Mamin, H. J.; Chui, B. W. Single spin detection by magnetic resonance force microscopy. *Nature* **2004**, *430* (6997), 329–332 DOI: 10.1038/nature02658.

(3) Isaac, C. E.; Gleave, C. M.; Nasr, P. T.; Nguyen, H. L.; Curley, E. A.; Yoder, J. L.; Moore, E. W.; Chen, L.; Marohn, J. A. Dynamic nuclear polarization in a magnetic resonance force microscope experiment. *Phys. Chem. Chem. Phys.* **2016**, *18* (13), 8806–8819 DOI: 10.1039/C6CP00084C.

(4) Isaac, C. E.; Curley, E. A.; Nasr, P. T.; Nguyen, H. L.; Marohn, J. A. Cryogenic positioning and alignment with micrometer precision in a magnetic resonance force microscope. *Rev. Sci. Instrum.* **2018**, *89* (1), 013707 DOI: [10.1063/1.5008505](10.1063/1.5008505).