

DATE: EXAMPLE

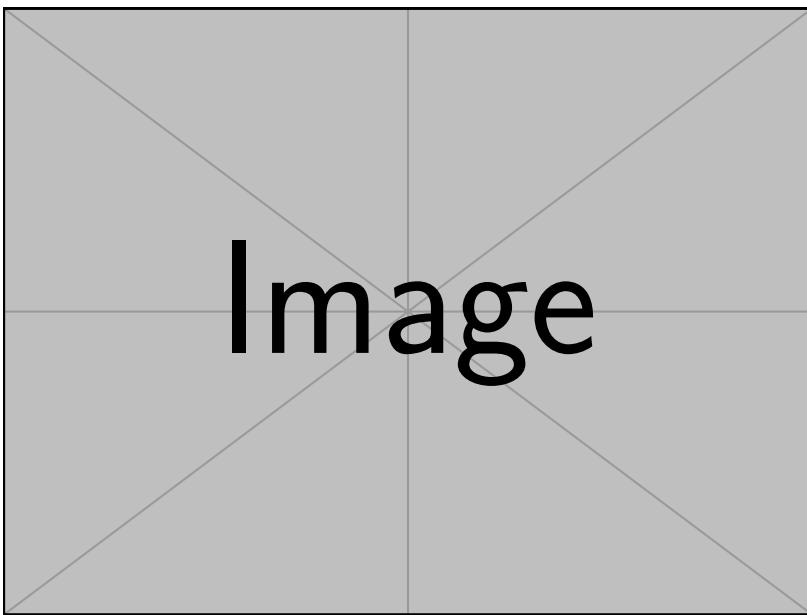


FIGURE 1: Example image for templating

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DATE: 02.04

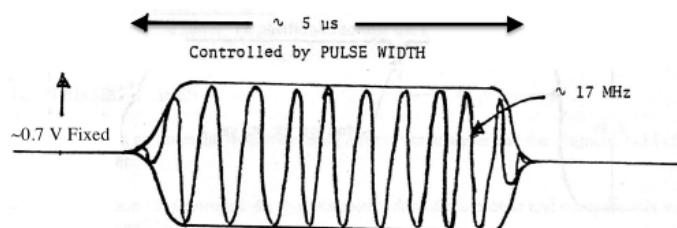


Figure 2. Conceptual sketch of r.f. pulses at the PROBE HEAD.

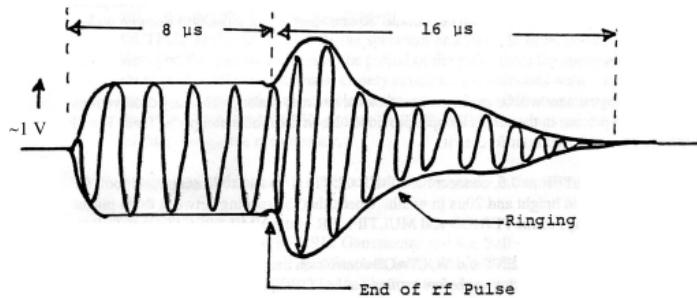
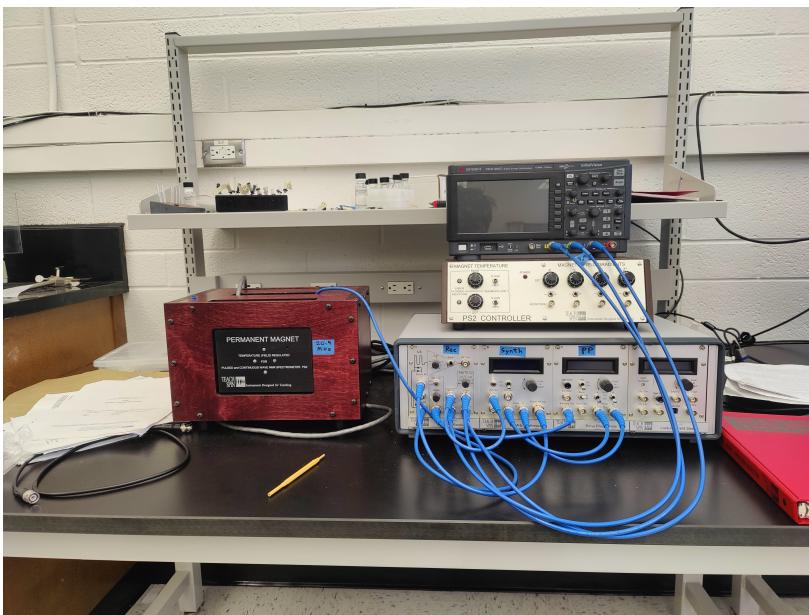


FIGURE 02.04A.1: Sketch of r.f. pulse from [1] as a test if my printing format works as expected. The bottom figure shows r.f. pulses at the LF-HF OUTPUT for RC FILTER set to HF.

DATE: 02.07**FIGURE 02.07A.2:** Initial experimental setup for NMR.

REFERENCES

1. D. Bailey, J. Harlow, J. Vise, and J. Pitre, *NMR Nuclear Magnetic Resonance*, edited by J. Shepherd (University of Toronto, 2013).
2. A. Trabesinger, “Long live the spin,” *Nature Physics* **8**, 781–782 (2012).
3. T. Wogan, “Nmr spectroscopy without the “m” – physics world,” (2011).
4. L. Yarris, “Researchers increase nmr/mri sensitivity through hyperpolarization of nuclei in diamond,” (2013).
5. L. Zyga, “143 is largest number yet to be factored by a quantum algorithm,” (2012).