Report for Wood's paper: The Feasibility of Magnetic Recording at 10 Terabits Per Square Inch on Conventional Media

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***Abstract*—This report is purely based on my own comprehension of this paper.**

I. Introduction

In 2000, Wood published a paper: The Feasibility of Magnetic Recording at 1 Terabits Per Square Inch [1]. It says, that conventional recording would reach a limit at around 1 Terabit/in^2.

However, current hard disk technology uses perpendicular recording, which already reaching this limit. TODO: find proof. However, alternative technologies: heat-assisted magnetic recording (HAMR) [2] and bit patterned media (BPM)[3]

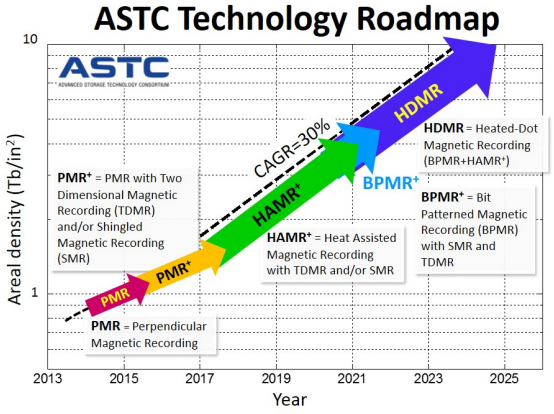

Fig. 1. Data synchronization between two devices

A. *Subsection Heading Here*

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II. Conclusion

The conclusion goes here.

Acknowledgment

The authors would like to thank...

References

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[2] R. Rottmeyer et al., *Heat-assisted magnetic recording*, IEEE Trans. Magn., vol. 42, no. 10, pp. 24172421, Oct. 2006.
[3] B. Terris, T. Thomson, and G. Hu, *Patterned media for future magnetic data storage*, Microsyst. Technol., vol. 13, no. 2, pp. 189196, Nov. 2006.