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A terahertz view on magnetization dynamics

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Propositions

accompanying the dissertation

A Terahertz View On Magnetization Dynamics

1. Magnetism, an old phenomenon (first observed in 600 BC), is driving today's technology. In the era of smartphones, most of us own roughly 10^{14} magnets.
2. THz emission spectroscopy is proving to be an important technique to study magnetization dynamics at sub-picosecond timescales.
3. "How is angular momentum transferred at picosecond timescales?" is an open question in ultrafast magnetization community.
4. In order to understand the peculiar signal in chapter 5, one should understand the origin of errors in the signal.
5. To explore new horizons in science one should study the development of science.
6. The skills required for a (PhD) life and Test cricket are very similar. Perseverance and patience, to name a few.
7. One is never too old to learn new things; but one may be old enough to perfect them.
8. Freedom of speech can be used to express an opinion, not to impose it.

Nilesh Awari