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Presentation 44: Retrieving Data from Damaged Audio Magnetic Tapes Using TMR Sensors

Friday 26 January 2024 14:40 (10 minutes)

Optimizing tunnel magnetoresistive sensors to cater to the unique dimensions and types of magnetic audio tapes. Explore sensor geometries that mitigate damage of the tapes, improving the amount of information extracted. Study and improvement of the scanning methodology to enable reliable and accurate scans with good signal-to-noise ratio. Converting data from damaged magnetic tapes into a digital format. Using signal reconstruction methodologies to improve imperfect or incomplete signals.

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