

ABSTRACT

Topic : Plastic memory

Plastic memory refers to a type of non-volatile memory technology that uses a plastic material as the storage medium instead of traditional silicon-based memory chips. The technology is based on the phenomenon of polymer ferroelectricity, which allows for the storage of digital information by altering the polarization state of the plastic material. Plastic memory has several potential advantages over traditional memory technologies, including lower power consumption, faster access times, and higher data densities. It could be used in a wide range of applications, from mobile devices to data centers. However, there are still several technical challenges that need to be addressed before plastic memory can become a viable commercial technology, including issues related to device stability, scalability, and integration with existing electronics. Despite these challenges, plastic memory is an area of active research, and it holds the potential to revolutionize the way we store and access digital information in the future.

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