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Seção Abstracts

The magnetic imaging of oil paintings

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Resumo

We propose a new technique for authentication of oil paintings, using a scanning SQUID or fluxgate technique to measure its magnetic field. The paintings are pre-magnetized in an homogeneous field of 100 G. It was observed that the response depends on the ferromagnetic properties of each paint independent of its colour. This shows that a magnetic image could be used as a magnetic signature for authentication purposes.