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## Relaxation of the magnetisation in superconducting oxides

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## **Abstract**

Relaxation of the thermoremanent magnetisation M in oxide superconductors  $BaPb_{0.75}Bi_{0.25}O_3$ ,  $YBa_2Cu_3O_{7-\delta}$ ,  $Bi_2Sr_2CaCu_2Ox$  and  $Bi_4Sr_3Ca_4Cu_4Ox$  is measured at T=4.2 K by the SQUID magnetometer. It is well described by the law  $M(t)=M_0$ -Slnt, where t is the time,  $M_0$  and S are constants. The dependence of the decay rate S on the external magnetic field H is investigated in detail for the ceramics  $BaPb_{0.75}Bi_{0.25}O_3$  with a low first critical magnetic field  $H_{cl}\sim 12$  Oe.