A KINETIC MODEL OF ATOM-ABSORPTION SIGNALS

Yu. V. Rogulskiy, R. I. Kholodov, L. F. Sukhodub

Institute of Applied Physics, Nat. Acad. Sci. of Ukraine
(58, Petropavlivska Str., Sumy 40030, Ukraine)

S u m m a r y

A model describing the form of an atom-absorption signal with the kinetics of an arbitrary order is proposed. From experimental data, the kinetic parameters for atom-absorption signals are measured. In particular, the free atom formation energies are equal to (89.7 ± 7.2) kJ/mole for copper and (165 ± 10) kJ/mole for silver, respectively.