

exponential decay

Variation of a quantity (generally the activity of a quantity of a radionuclide) according to the law $A = A_0 e^{-\lambda t}$ where A and A_0 are the values of the quantity being considered at time t and zero respectively, and λ is an appropriate constant.

Source:

PAC, 1982, 54, 1533 (*Glossary of terms used in nuclear analytical chemistry (Provisional)*) on page 1541