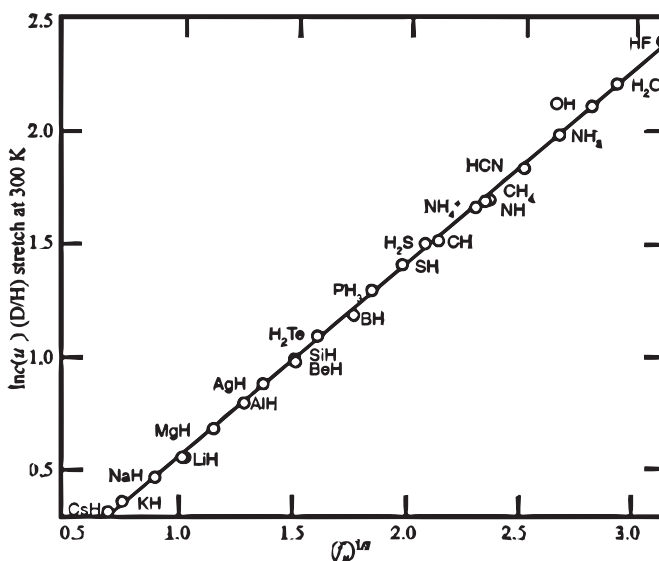


Jacob Bigeleisen

Distinguished Professor of Chemistry
1978-1998

Vice President for Research 1978-1980

Isotope Chemist, Administrator, Public Servant



Periodicity in the Isotope Chemistry
of Hydrogen, *Proceedings of the
National Academy of Sciences
USA*, **78**, 5271 (1981).

Professor Bigeleisen did seminal research on the effect of isotopic substitution on chemical equilibria, kinetics, and reaction mechanisms. This work led to the widespread use of kinetic isotope effect analysis as a major research tool in organic chemistry, medicine, biochemistry, geochemistry, and meteorology.