

Among the 18 formulae used to calculate alpha-decay half-lives, a study published in December 2015,

Y.Z. Wang, S.J. Wang, Z.Y. Hou, J.Z. Gu, Systematic study of alpha-decay energies and half-lives of superheavy nuclei, **Phys. Rev. C 92 (2015) 064301**.

<http://journals.aps.org/prc/abstract/10.1103/PhysRevC.92.064301>

shows that "**SemFIS2 formula is the best one to predict the alpha-decay half-lives** ... In addition, the **UNIV2** formula with fewest parameters and the **VSS, SP** and **NRDX** formulas with fewer parameters work well in prediction on the SHN alpha-decay half-lives."

Both **SemFIS2** (semi-empirical formula based on Fission Theory) and **UNIV2** (universal curve) have been developed by us (D.N. Poenaru, R.A. Gherghescu, W. Greiner and N. Carjan). **VSS, SP** and **NRDX** are produced by other authors (V.E. Viola Jr., G.T. Seaborg, A. Sobiczewski, Z. Patyk, S. Cwiok, A. Parkhomenko, D. Ni, Z. Ren, T. Dong, and C. Xu).