

surface excess Helmholtz energy

Defined by:

$$A^\sigma = U^\sigma - T S^\sigma$$

where U^σ is the surface excess energy, T is the thermodynamic temperature, and S^σ is the surface excess entropy.

Source:

PAC, 1972, 31, 577 (*Manual of Symbols and Terminology for Physicochemical Quantities and Units, Appendix II: Definitions, Terminology and Symbols in Colloid and Surface Chemistry*) on page 599