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Gibbs energy of repulsion

Indicated by G_r or G_{el} if the repulsion is due to electric effects (g_r or g_{el} is taken for unit area of each of two flat and parallel surfaces). G_r (or G_{el}) is defined as

$$G_r \ (\text{ or } G_{el}) = \left[\int_{\text{final distance}}^{\infty} \text{Force d(distance)} \right]_{T,p}$$

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 615

