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autophobicity

If adsorption equilibrium and mutual saturation of the phases is not achieved instantly, it is possible to distinguish the initial spreading tension, $\sigma_{\mathrm{i}}^{\alpha\beta\delta}$, from the final spreading tension, $\sigma_{\mathrm{f}}^{\alpha\beta\delta}$, when equilibrium has been reached. In the case in which $\sigma_{\mathrm{i}}^{\alpha\beta\delta}$ is positive, while $\sigma_{\mathrm{f}}^{\alpha\beta\delta}$ is negative, the system is said to exhibit autophobicity.

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 598

