surface excess entropy
Defined by:

$$S^{\sigma} = S - S^{\alpha} - S^{\beta}$$
$$= S - V^{\alpha}\left(\frac{S_{\mathrm{m}}^{\alpha}}{V_{\mathrm{m}}^{\alpha}}\right) - V^{\beta}\left(\frac{S_{\mathrm{m}}^{\beta}}{V_{\mathrm{m}}^{\beta}}\right)$$

$(S_{\mathrm{m}}^{\alpha}/V_{\mathrm{m}}^{\alpha})$ and $(S_{\mathrm{m}}^{\beta}/V_{\mathrm{m}}^{\beta})$ are the entropy densities in the two bulk phases, where S_{m}^{α} and S_{m}^{β} are the mean molar entropies and V_{m}^{α} and V_{m}^{β} are the mean molar volumes of the two phases.

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