

wetting tension (or work of immersional wetting per unit area)

The work done on a system when the process of *immersional wetting* involving unit area of phase β is carried out reversibly:

$$w_{\text{W}}^{\alpha\beta\delta} = \gamma^{\beta\delta} - \gamma^{\alpha\beta}$$

where $\gamma^{\alpha\beta}$ and $\gamma^{\beta\delta}$ are the *surface tensions* between two bulk phases α , β and β , δ , respectively.

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