



volume of relevance

$$V = A(\vec{d} \cdot \hat{n})$$

$$\sigma_b = \frac{\sum_i g_i}{V} \cdot \frac{A(\vec{d} \cdot \hat{n})}{A}$$

$$= \underbrace{\frac{\sum_i g_i (\vec{d} \cdot \hat{n})}{V}}_{PL} = \vec{P} \cdot \hat{n}$$