

## 4、粒子体积

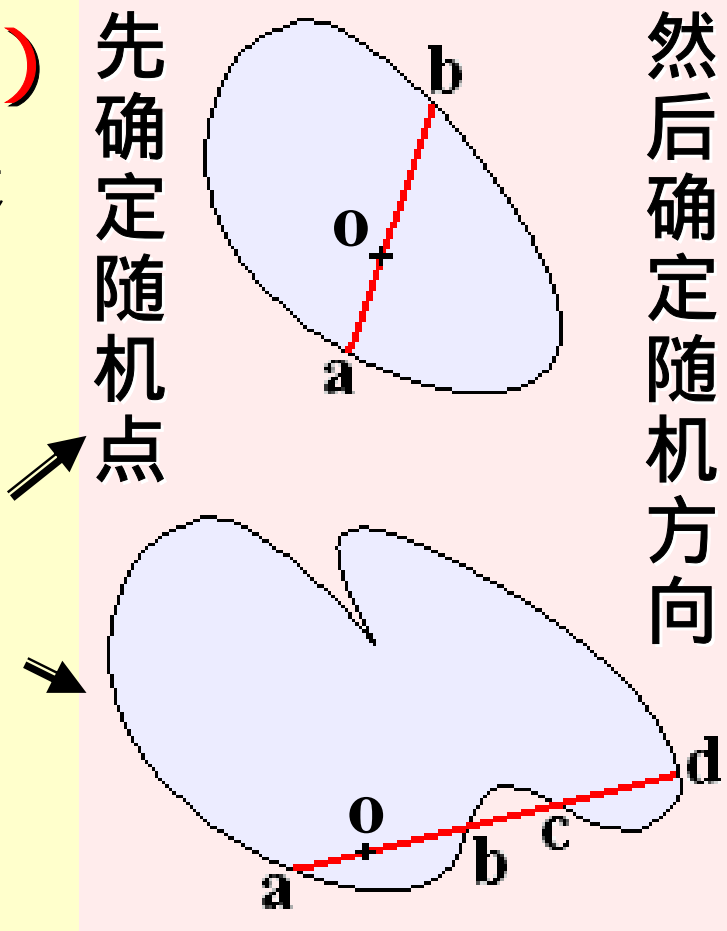
- 点取截距法 (任意粒子)  
point-sampled intercept

$$\text{粒子体积 } v = \frac{\pi}{3} \times \overline{l_0^3}$$

$$l_0^3 = ab^3$$

$$l_0^3 = ab^3 + 2 \times (od^3 - oc^3)$$

*Gundersen HJ, Jensen EB.  
J Microsc 1985;138:127-42.*



- **核距法 (nucleator)**  
(所测粒子有一固定点)

粒子体积  $v = \frac{4\pi}{3} \times \overline{l_n^3}$

$\overline{l_n^3} = (oa^3 + ob^3) / 2$

$\overline{l_n^3} = [oa^3 + (ob^3 + od^3 - oc^3)] / 2$

*Gundersen HJ.  
J Microsc 1988;151:3-21.*

