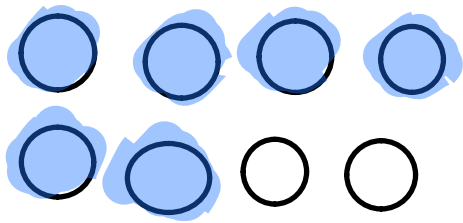
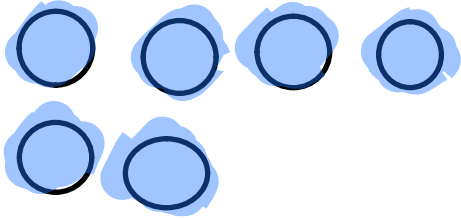


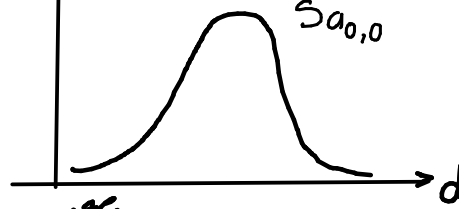
$K=0$



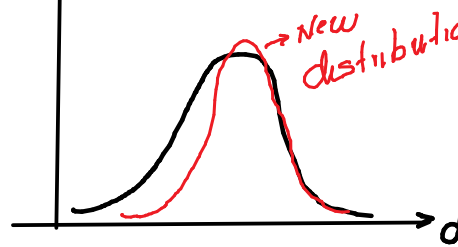
Correction due to incomplete CCN



Number size distribution



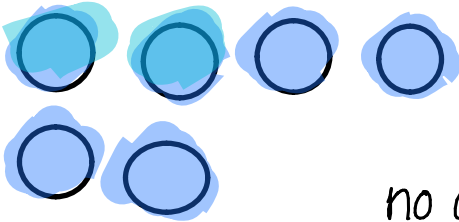
Number size distribution



$$S_{a0,0} = S_{a0} \left[1 - \frac{1}{2} \operatorname{erfc} \left(\frac{-x_{min}}{\sqrt{2}} \right) \right]$$

Use of f.d.

Obtaining $S_{ae,k}$

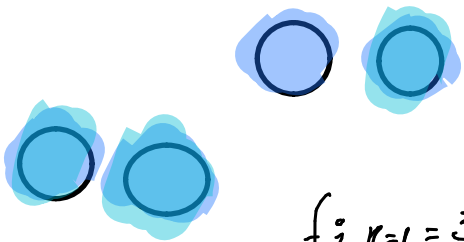


$$f_{i,k=0} = 2/6$$

$$S_{ae} = S_{a0,0} \left[1 - \frac{1}{2} \operatorname{erfc} \left(\frac{-x_{min}}{\sqrt{2}} \right) \right]$$

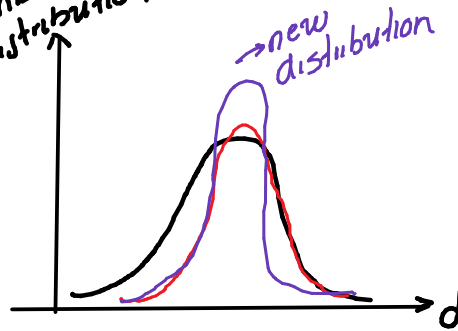
$$\text{no activated} \rightarrow S_{ae,n} = \frac{1}{2} \operatorname{erfc} \left(\frac{-x_{min}}{\sqrt{2}} \right)$$

$K=1$



$$f_{i,k=1} = 3/4$$

Number size distribution



$$S_{a0,0} = S_{ae,n}$$