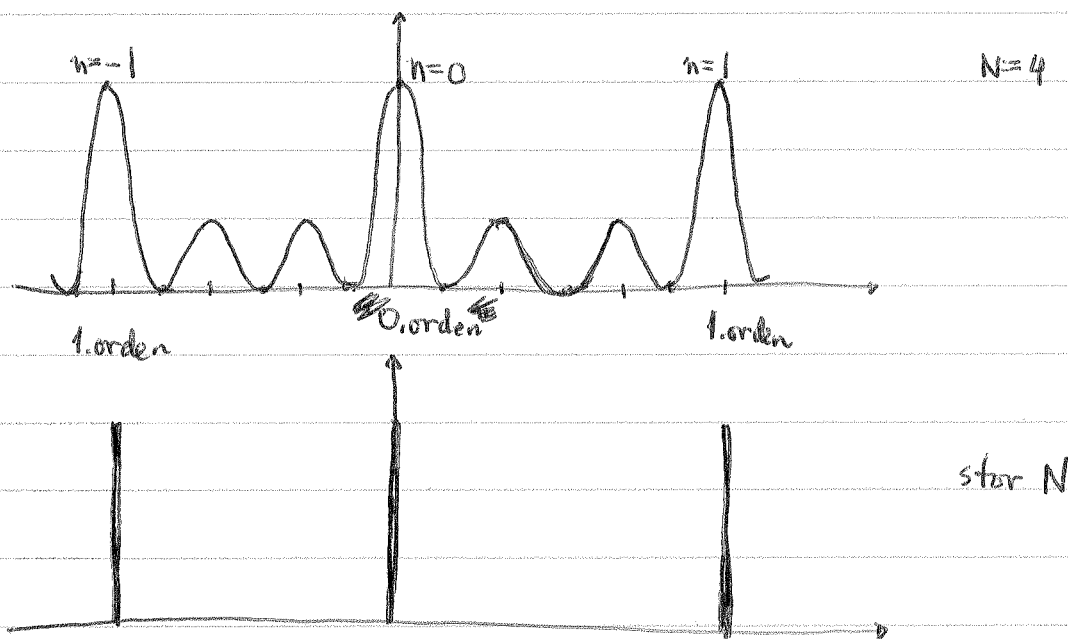


Max I når $k d \sin \theta / 2 = n \cdot \pi$; $n = 0, \pm 1, \pm 2, \dots$

$$\Rightarrow d \sin \theta = n \lambda$$

$$\sin \alpha \approx \alpha \quad \text{for små } \alpha \quad \Rightarrow \quad \sin(N k d \sin \theta / 2) / \sin(k d \sin \theta / 2) \stackrel{(\theta=0)}{\approx} N$$

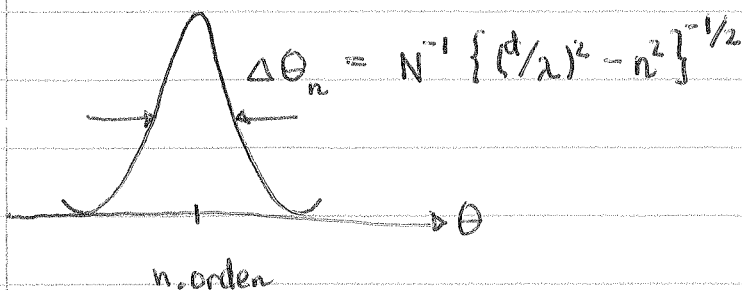
$$\Rightarrow I = N^2 I_0 \quad \text{når} \quad d \sin \theta = n \lambda$$



Hitt
6.11.06

linjespektrum

$N-1$ nullpunkter og $N-2$ "lokale maksima" mellom ~~to~~ hovedmaksima



Halvbreidd
↑

Bølgelengdeseparasjon:

