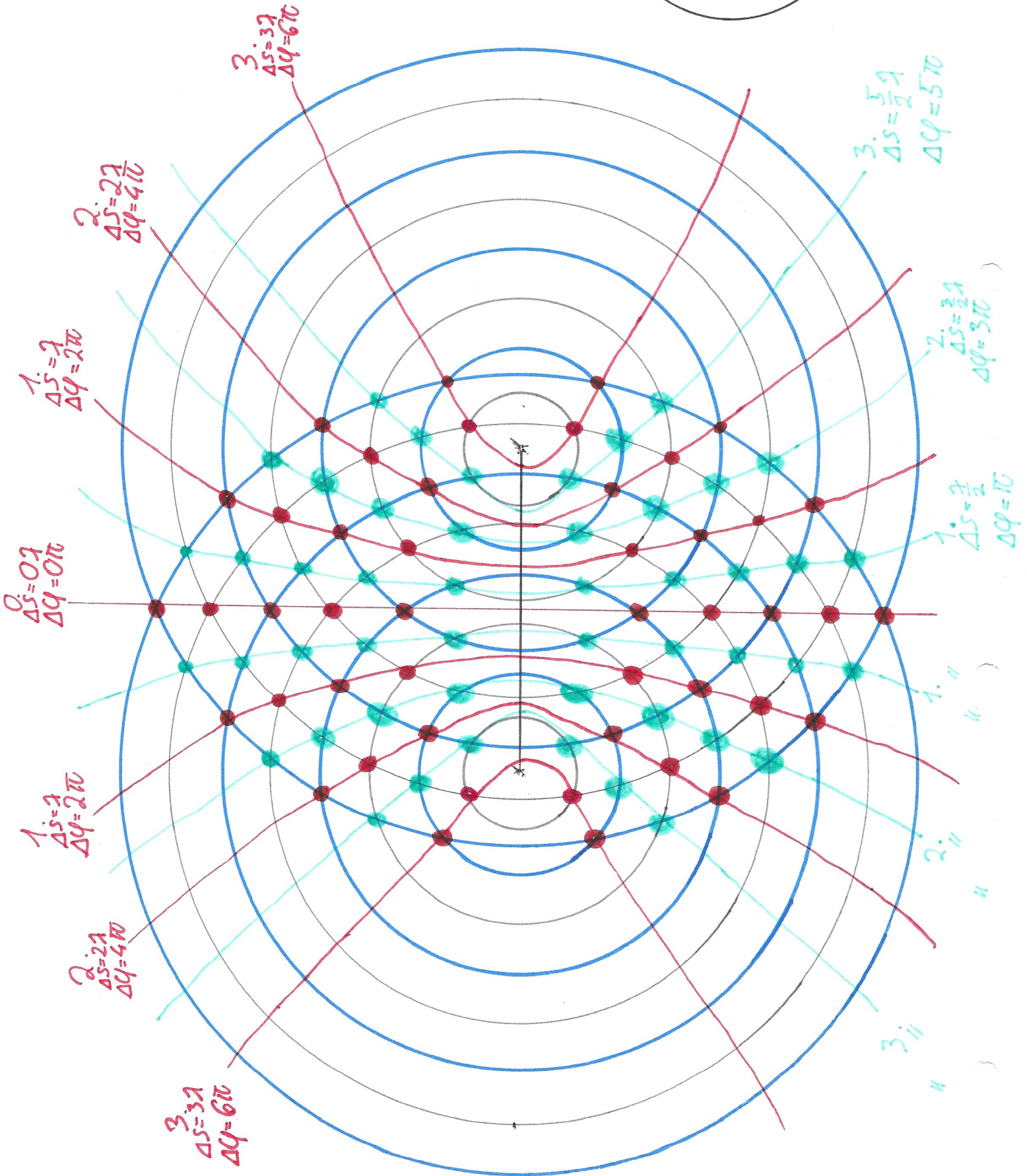
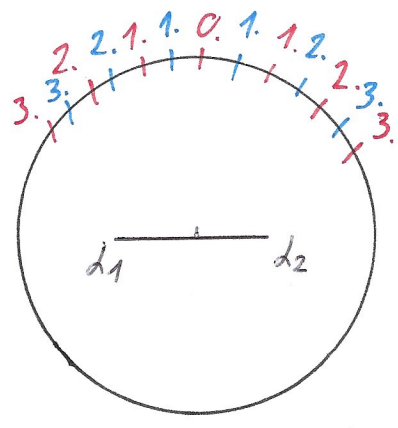


(2) $b = 65\text{cm}; \lambda = 20\text{cm}; c = 340 \frac{\text{m}}{\text{s}}$

$\Delta s < b$
 $\Leftrightarrow k \cdot \lambda < b$
 $\Leftrightarrow k < \frac{b}{\lambda} = \frac{65\text{cm}}{20\text{cm}} = 3,25$
 $\Sigma \text{Maxima} = 2 \cdot 7 = 14$
 $\Sigma \text{Minima} = 2 \cdot 6 = 12$



$\Delta S:$

$$\text{Min: } \Delta S = (2k-1) \cdot \frac{\lambda}{2}$$

$$\text{Max: } \Delta S = k \cdot \lambda$$

 $\Delta \varphi:$

$$\text{Min: } \Delta \varphi = (k-0.5) \cdot 2\pi$$

$$\text{Max: } \Delta \varphi = k \cdot 2\pi$$