plocha č.													
n'													
n													
r													
d													
x													
n/x													
φ' = (n'-n)/r													
n'/x'													
x'													
x'-d													
x'/(x'-d)													
sin σ													
sin ε													
sin ε'													
sin σ'													
x'													
x'-d													
h													
σ													
ε													
σ – ε													
ε'													
σ'													

n'/x' = n/x + φ'

$\sin \varepsilon = (r - x)/r \sin \sigma$ $\sin \varepsilon' = n/n' \sin \varepsilon$ $\sigma' = \sigma - \varepsilon + \varepsilon'$ $x' = r - r \sin \varepsilon' / \sin \sigma'$ $h = r \sin (\sigma - \varepsilon)$

x $\rightarrow \infty$: $\sin \varepsilon = -h/r$

r $\rightarrow \infty$: $\varepsilon = \sigma$ $\sin \varepsilon' = n/n' \sin \varepsilon$ $\sigma' = \varepsilon'$ $x' = x \operatorname{tg} \sigma / \operatorname{tg} \sigma'$