

plocha č.	1	2	3	4	5	6	7	8	9	10	11	12	13
n' n r d													
x n/x $\varphi' = (n'-n)/r$ $n'/x'$ x'	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!												
$x' - d$ $x'/(x' - d)$	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!											
sin $\sigma$ sin $\varepsilon$ sin $\varepsilon'$ sin $\sigma'$	0 #DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0! #DIV/0!	#DIV/0! #DIV/0! #DIV/0! #DIV/0!										
$x'$ $x' - d$	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!											
h $\sigma$ $\varepsilon$ $\sigma - \varepsilon$ $\varepsilon'$ $\sigma'$	#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!												

$$n'/x' = n/x + \varphi$$

$$\sin \varepsilon = (r - x)/r \sin \sigma$$

$$\sin \varepsilon' = n/n' \sin \varepsilon$$

$$\sigma' = \sigma - \varepsilon + \varepsilon'$$

$$x' = r - r \sin \varepsilon' / \sin \sigma'$$

$$h = r \sin (\sigma - \varepsilon)$$

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

$$r \rightarrow \infty : \varepsilon = \sigma$$

$$\sin \varepsilon' = n/n' \sin \varepsilon$$

$$\sigma' = \varepsilon'$$

$$x' = x \operatorname{tg} \sigma / \operatorname{tg} \sigma'$$

