

Hodnoty jacobíánů vybraných souřadnic:

$\begin{aligned}x &= s + a\rho \cos(\varphi) \\y &= t + b\rho \sin(\varphi)\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y)}{\mathcal{D}(\rho, \varphi)} \right) = ab\rho.$
$\begin{aligned}x &= s + a\rho \cos^\alpha(\varphi) \\y &= t + b\rho \sin^\alpha(\varphi)\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y)}{\mathcal{D}(\rho, \varphi)} \right) = ab\alpha\rho \cos^{\alpha-1}(\varphi) \sin^{\alpha-1}(\varphi).$
$\begin{aligned}x &= s + a\rho \cos(\varphi) \\y &= t + b\rho \sin(\varphi) \\z &= u + ch\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y, z)}{\mathcal{D}(\rho, \varphi, h)} \right) = abc\rho.$
$\begin{aligned}x &= s + a\rho \cos^\alpha(\varphi) \\y &= t + b\rho \sin^\alpha(\varphi) \\z &= u + ch\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y, z)}{\mathcal{D}(\rho, \varphi, h)} \right) = abca\rho \cos^{\alpha-1}(\varphi) \sin^{\alpha-1}(\varphi).$
$\begin{aligned}x &= s + a\rho \cos(\vartheta) \cos(\varphi) \\y &= t + b\rho \cos(\vartheta) \sin(\varphi) \\z &= u + c\rho \sin(\vartheta)\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y, z)}{\mathcal{D}(\rho, \varphi, \vartheta)} \right) = abc\rho^2 \cos(\vartheta).$
$\begin{aligned}x &= s + a\rho \cos^\beta(\vartheta) \cos^\alpha(\varphi) \\y &= t + b\rho \cos^\beta(\vartheta) \sin^\alpha(\varphi) \\z &= u + c\rho \sin^\beta(\vartheta)\end{aligned}$	$\begin{aligned}\det \left(\frac{\mathcal{D}(x, y, z)}{\mathcal{D}(\rho, \varphi, \vartheta)} \right) &= \\ &= abca\beta\rho^2 \cos^{2\beta-1}(\vartheta) \sin^{\beta-1}(\vartheta) \cos^{\alpha-1}(\varphi) \sin^{\alpha-1}(\varphi).\end{aligned}$
$\begin{aligned}x &= s + a\rho \cos(\omega) \cos(\vartheta) \cos(\varphi) \\y &= t + b\rho \cos(\omega) \cos(\vartheta) \sin(\varphi) \\z &= u + c\rho \cos(\omega) \sin(\vartheta) \\w &= v + d\rho \sin(\omega),\end{aligned}$	$\det \left(\frac{\mathcal{D}(x, y, z, w)}{\mathcal{D}(\rho, \omega, \varphi, \vartheta)} \right) = abcd\rho^3 \cos^2(\omega) \cos(\vartheta).$