|  |  |  |
| --- | --- | --- |
| **Těleso** | **V** | **S** |
| Hranol | $$V=S\_{p}v$$ | $$S=2S\_{p}+S\_{pl}$$ |
| Jehlan | $$V=\frac{1}{3}S\_{p}v$$ | $$S=S\_{p}+S\_{pl}$$ |
| Komolý jehlan | $$V=\frac{1}{3}v\left(S\_{1}+\sqrt{S\_{1}S\_{2}}+S\_{2}\right)$$ | $$S=S\_{p1}+S\_{p2}+S\_{pl}$$ |
| Válec | $$V=πr^{2}v$$ | $$S=2πrv+2πr^{2}=2πr\left(r+v\right)$$ |
| Kužel | $$V=\frac{1}{3}πr^{2}v$$ | $$S=πrs+πr^{2}$$$$s=\sqrt{r^{2}+v^{2}}$$ |
| Komolý kužel | $$V=\frac{1}{3}πv\left(r\_{1}^{2}+r\_{1}r\_{2}+r\_{2}^{2}\right)$$ | $$S=πs\left(r\_{1}+r\_{2}\right)+πr\_{1}^{2}+πr\_{2}^{2}$$$$s=\sqrt{v^{2}+\left(r\_{1}-r\_{2}\right)^{2}}$$ |
| Koule | $$V=\frac{4}{3}πr^{3}$$ | $$S=4πr^{2}$$ |
| Kulová úseč | $$V=\frac{1}{6}πv\left(3ρ^{2}+v^{2}\right)$$ | $$×$$ |
| Kulový vrchlík | $$×$$ | $$S=2πrv$$ |
| Kulová výseč | $V=\frac{1}{6}πv\left(3ρ^{2}+v^{2}\right)+\frac{πρ^{2}}{3}\left(r-v\right)$=$$=\frac{2}{3}πr^{2}v$$ |  |
| Kulová vrstva | $$V=\frac{1}{6}πv\left(3ρ\_{1}^{2}+3ρ\_{2}^{2}+v^{2}\right)$$ | $$×$$ |
| Kulový pás | $$×$$ | $$S=2πrv$$ |