ť	dy = r2sin & dra@a¢	S _i : r constant: dS _i = r ³ sin@d@d#gr	3g: 0 constant d Sg: arsinddøda	
rate of 1 s	V= \(\begin{aligned} 2 & \frac{40^40}{45^*} & \frac{40}{45} & \frac{70}{45} & \frac{70}{100} & \frac{70}{10	5,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sg) 1 1 T rsind a dar	
		= 1 1 1 (a) 1 sing do at	= \(\int_{\phi}^{2} \text{ ind } [\phi]^{\frac{1}{4}} dr	
		2 (3 - 1) (- (080) 1 0 or	T T Sind dr	
	$\int_{\frac{\pi}{2}}^{\frac{\pi}{2}} \int_{\frac{\pi}{2}}^{\frac{\pi}{2}} \left[\frac{1}{3}r^3\right]_0^3 \sin \theta d\theta d\phi$	= 1, (=) (0+12) 0*	= T sine C±r2 12	
	$= \int_{\frac{\pi}{2}}^{\frac{\pi}{2}} \frac{1}{1} \cdot \delta \operatorname{sind}(\Phi) \Big _{\frac{\pi}{2}}^{\frac{\pi}{2}} d\Phi$: 55 πc' α _ε δ μ _ε ; 3	1 sine (2-0)	
	$= \frac{8}{3} \left(\frac{\pi}{2}, \frac{\pi}{4} \right) \int_{\frac{\pi}{4}}^{\frac{\pi}{2}} \sin \theta d\theta$	= 12 .411 or = 12 11 or = 1 10 11 or = 2.22 or		
	$\frac{2}{8} \left(\frac{4}{3}\right) \left[\cdot (\cos \theta)\right]_{\frac{1}{2}}^{\frac{2}{3}}$		$\frac{\pi}{4} \cdot \frac{\pi}{2} \cdot (2) = \frac{51\pi}{4} \cdot \frac{2\pi}{412} \cdot \frac{\pi}{252} \approx 1.11$	
	= \frac{2}{3} \(\cdot \cos \frac{1}{3} \) \(\cos \frac{1}{3} \) \(\cos \frac{1}{3} \) \(\cos \frac{1}{3} \)	5,: O constant	Sg: Ø constant	
		$dS_2 = \int_0^2 \int_{\frac{\pi}{4}}^{\frac{\pi}{4}} r \sin \theta \ d\phi dr$	dS _b = rdødr	
	$\frac{2}{3} \operatorname{fcos} \frac{d}{d} \simeq \frac{2}{4^3} \operatorname{II} \approx 1.48$	-sind 5 - [d] 1 dr	Sa · 5	
		² sine $(\frac{\pi}{2} - \frac{\pi}{4}) \left[\frac{1}{2}r^2\right]_d^2$		
		* sine (#)(4-0)	$\begin{bmatrix} \frac{1}{2} \cdot \frac{1}{4} \end{bmatrix} \int_{0}^{1} r dr$ $= \frac{1}{4} \left(\frac{1}{2} r^{2} \right) \Big _{0}^{3}$	
		1 % ∩Θ(½) L+ Θ = 1/2	T 1 ≈ 1.57	
		s ± 21.57		
		54* S3	*S, * S ₃ * S ₄ * S ₅	
		= 5,	1 * \$1 + 2 \$5 + 55 .22 +1 57 + 26 57 7 1 1	
			3 04	