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Math ---

$$\frac{1}{2\pi} \int_{-1}^{1-\pi} \frac{1-\pi^{2}-y^{2}}{2\pi^{2}} dz dy dx$$

$$\frac{1}{2\pi^{2}} \int_{0}^{1-\pi^{2}} \frac{1-\pi^{2}-y^{2}}{2\pi^{2}} dz dy dx$$

$$= \int_{0}^{1} \int_{0}^{1-\pi^{2}} \frac{1-\pi^{2}}{2\pi^{2}} dz dy dx$$

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[] 2 n costodn - [2 n3cos2 0 dn] d0 = [2[200570 [[14]] 0 - [\frac{15}{5}] ] \ do = 1 2 cos 0 - 1 do = 10 1 2 cos 20 da  $=\frac{1}{16}\left[\frac{\sin 3\theta}{2}\right]^{2\pi}$  $=\frac{1}{10}\left[\frac{\sin^3 2\pi}{3} - \frac{\sin^3 60}{3}\right]$ 

$$\frac{(a+b)}{(b,-2)} = (b+2-2b)$$

$$= (2,-2)$$

$$2 = -2 + 2t$$

$$0 \le t \le 1$$

$$= (-2+2t) - 2dt) - (-2t) 2dt$$

$$= \int_{0}^{1} (4-4t) + 4 + dt$$

$$= \int_{0}^{1} (4t) = [4t]_{1}^{2} = 4$$

$$= (2,-2)$$

$$2 = 2t$$

$$7 = 2t$$

$$7 = 2t$$

$$7 = -2+1$$

$$7 = -2+1$$

$$7 = -2+1$$

$$7 = -2+1$$

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$$CL = \int_{0}^{1} 2 + (2)dt - (2+2t) 2dt$$

$$= \int_{0}^{1} -4 + 8dt$$

$$= -\int_{0}^{1} 4 + dt + \int_{0}^{1} 8dt$$

$$= -\int_{0}^{1} 2 + 8dt$$

$$= -\int_{0}^{1} 4 + 8dt$$