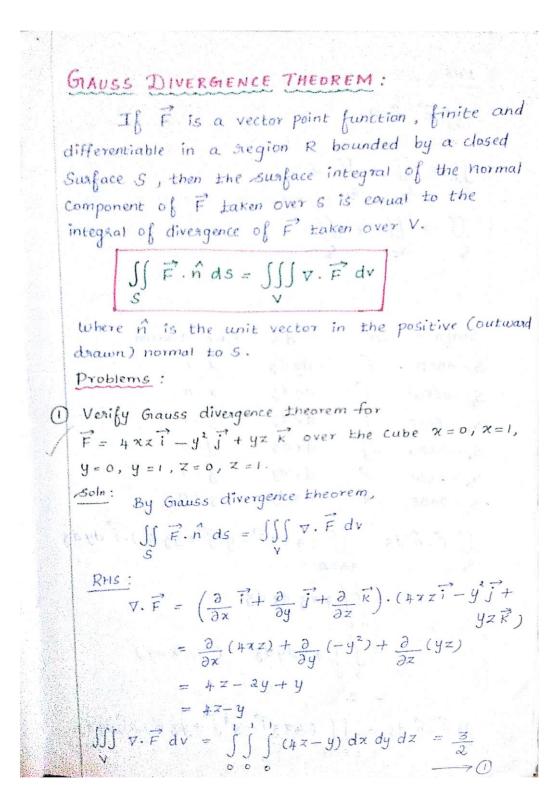




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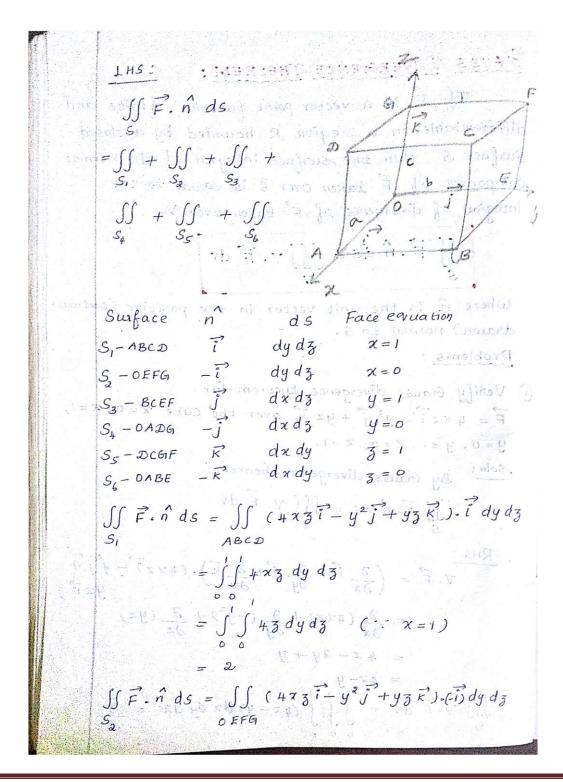






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$$\int_{0}^{\infty} (-4\pi z) \, dy \, dz = 0 \quad (\cdots \pi = 0)$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} (+\pi z)^{2} - y^{2}j + yz^{2}k \cdot j \cdot j \, dx \, dz$$

$$= \int_{0}^{\infty} (-y^{2}) \, dx \, dz \quad (\text{Here } y = 1)$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} (+\pi z)^{2} - y^{2}j + yz^{2}k \cdot j \cdot (-j) \, dx \, dz$$

$$= \int_{0}^{\infty} y^{2} \, dx \, dz = 0 \quad (\cdots y = 0)$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} (+\pi z)^{2} - y^{2}j + yz^{2}k \cdot k \cdot k \cdot dx \, dy$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} (+\pi z)^{2} - y^{2}j + yz^{2}k \cdot k \cdot k \cdot dx \, dy$$

$$= \int_{0}^{\infty} y^{2} \, dx \, dy = \int_{0}^{\infty} y \, dx \, dy \quad (\because z = 0)$$

$$= \int_{0}^{\infty} y^{2} \, dx \, dy = \int_{0}^{\infty} y \, dx \, dy \quad (\because z = 0)$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} (-yz) \, dx \, dy = 0 \quad (\because z = 0)$$

$$\int_{0}^{\infty} \vec{F} \cdot \hat{n} \, ds = \int_{0}^{\infty} + \int_{0}^{\infty} +$$





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