$$AA^{t} = \begin{pmatrix} -3/3 & \sqrt{3}/3 & \sqrt{3}/3 & \sqrt{3}/3 & \sqrt{2}/2 & P \\ \sqrt{2}/2 & 0 & -\sqrt{2}/2 & \sqrt{3}/3 & \delta & g \\ P & g & r & \sqrt{3}/3 & -\sqrt{2}/2 & P \end{pmatrix}$$

$$= \begin{pmatrix} 1 & 0 & \frac{3}{3}(P+g+r) \\ 0 & 1 & \frac{2}{2}(P-r) \\ \frac{3}{3}(P+g+r) & 0 & P^2 + g^2 + R^2 \end{pmatrix}$$

$$\begin{cases} P + 9 + F = 0 & -0 \\ P - F = 0 & -0 \\ P^{2} + 9^{2} + F^{2} = 1 & -0 \end{cases}$$

$$2p + 9 = 0$$

$$p = -2p$$

$$F = p$$

$$|A| = -\frac{6}{6}p + \frac{6}{6}8 - \frac{6}{6}r + \frac{6}{6}8$$

$$= -\frac{6}{6}p + \frac{26}{6}8 - \frac{6}{6}r$$

$$|A| = -\frac{6}{6} \cdot \frac{1}{4} + \frac{26}{6} \cdot \left(-\frac{2}{46}\right) - \frac{1}{6} \cdot \frac{1}{46}$$

$$= -\frac{1}{6} - \frac{4}{6} - \frac{1}{6}$$

$$= -1$$

$$\begin{aligned}
& \{A = -\frac{17}{6}, (-\frac{1}{67}) + \frac{216}{6}, \frac{2}{67}, -\frac{16}{6}, (-\frac{1}{67}) \\
&= \{\\ 27,9, (0) = \\ (1), (1), (1), (1), (1), (1) \\
&= \{\\ 27,9, (21)$$

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$$b_1 = \frac{1}{|\Omega_1|} \Omega_1 = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$b_2 = \frac{1}{\sqrt{3}} \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$|\Omega_1| = \frac{1}{\sqrt{2}} \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$||M_{1}| = ||\Omega_{2}| - ||\Omega_{2}| \cdot ||b_{1}||$$

$$= \left( \begin{array}{c} 2 \\ 0 \\ 1 \end{array} \right) - \left( \begin{array}{c} 1 \\ 0 \end{array} \right)$$

$$= \left( \begin{array}{c} 1 \\ 0 \end{array} \right)$$

$$= \left( \begin{array}{c} 1 \\ 0 \end{array} \right)$$

$$F^{3} \propto \left[ \begin{array}{c} \xi^{3} \\ \zeta^{-1} \end{array} \right] = 0$$

$$\begin{pmatrix} -5 & 4 \\ 1 & -5 \end{pmatrix} -5 \begin{pmatrix} 0 & 0 \\ 1 & -5 \end{pmatrix}$$

$$W_1 = C_1 \int_{S} \left( \frac{2}{1} \right)$$

$$\begin{pmatrix} -4 & -1 \\ -2 & -1 \end{pmatrix} \rightarrow \begin{pmatrix} 1 & \frac{2}{2} \\ 0 & 0 \end{pmatrix}$$

$$= \begin{pmatrix} 2 \\ 0 \\ 1 \end{pmatrix} - \begin{pmatrix} 2 \\ 1 \\ 2 \end{pmatrix}$$

$$= \begin{pmatrix} 1 \\ -1 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} z \\ l \end{pmatrix} = \sqrt{\epsilon} \begin{pmatrix} l \\ l \end{pmatrix}$$

$$\left(-\frac{1}{2}\right) = \left(-\frac{1}{2}\right)$$

$$P = \sqrt{s} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix}$$

$$P^{t} = \sqrt{s} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix}$$

$$P^{t} = \sqrt{s} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix} \begin{pmatrix} 2 & -2 \\ 1 & -2 \end{pmatrix} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix}$$

$$= \sqrt{s} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix}$$

$$= \sqrt{s} \begin{pmatrix} 2 & 1 \\ 6 & -2 \end{pmatrix} \begin{pmatrix} 2 & 1 \\ 1 & -2 \end{pmatrix}$$

$$= \begin{cases} \begin{cases} \xi & 0 \\ 0 & 30 \end{cases} \end{cases}$$
$$= \begin{pmatrix} \begin{pmatrix} 0 & 0 \\ 0 & 6 \end{pmatrix} \end{pmatrix}$$

$$(3)^{t}xAx = P^{t}xP^{t}AP^{t}Px$$

$$= t(tPx)P^{t}AP(tPx)$$

$$t_{X}A_{X} = (X Y) P^{t}AP \begin{pmatrix} X \\ Y \end{pmatrix}$$
$$= (X Y) \begin{pmatrix} 1 & 0 \\ 0 & 6 \end{pmatrix} \begin{pmatrix} X \\ Y \end{pmatrix}$$

$$\begin{pmatrix} -\sqrt{3} & 3 \end{pmatrix} \rightarrow \begin{pmatrix} 0 & -\sqrt{3} \\ 0 & 0 \end{pmatrix}$$

$$: W_1 = \frac{1}{2} \left( \frac{\sqrt{3}}{1} \right)$$

$$\begin{pmatrix} 43 \end{pmatrix} \rightarrow \mathcal{E}\begin{pmatrix} 43 \end{pmatrix}$$

$$\frac{\partial}{\partial z} = \frac{\partial}{\partial z} + \frac{\partial$$

(-v0) -> -5 (-10)

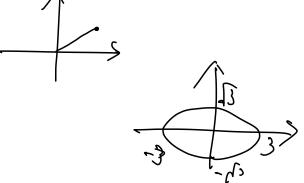
$$= 2x + 4$$

$$\int_{0}^{2} 7 C dd$$

$$\int_{0}^{2} 7 C dd$$

$$\int_{0}^{2} 2x^{2} + 63^{2} = 6$$

$$\int_{0}^{2} 2x^{2} + 3^{2} = 6$$



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