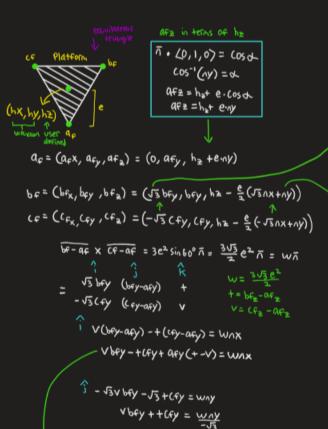


$$\alpha_0 = (0, -d, 0)$$

$$b_0 = (d \cos 3\theta', d \sin 3\theta', 0) = (\frac{d\sqrt{3}}{2}, \frac{d}{2}, 0)$$

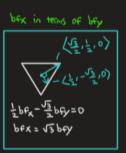
$$C_0 = (-d \cos 3\theta', -d \sin 3\theta', 0) = (-\frac{d\sqrt{3}}{2}, \frac{d}{2}, 0)$$

Point (X, V, 2) lies on Platform Plane P Xnx + Yny + Znz = hxnx + hyny + hznz

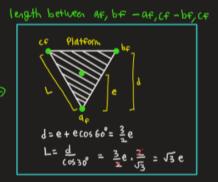


Cfy = WAY - Vbfy

 \hat{K} . $\sqrt{3}$ bey (cfy-afy) + $\sqrt{3}$ cfy (bfy-afy) = $wn_{\frac{\pi}{2}}$







$$\overline{a} = \overline{a + a_0} = \left\langle 0, \left(\frac{e}{a} \right) \left(1 - \frac{nx^2 + 3nz^2 + 3nz}{nz + 1 - nx^2} + \frac{nx^4 - 3nx^2 - ny^2}{(nz + 1)(nz + 1 - nx^2)} \right) + d \right|_{x = +e \cdot ny}$$

$$\overline{b} = \overline{b + b_0} = \left\langle \frac{\sqrt{3}}{2} \left(e \left(1 - \frac{nx^2 + \sqrt{3} \cdot nx \cdot ny}{nz + 1} \right) - d \right) \right|_{x = +e \cdot ny} = \frac{e}{2} \left(\sqrt{3} \cdot nx + ny \right)$$

$$\overline{c} = \overline{c + c_0} = \left\langle \frac{\sqrt{3}}{2} \left(d - e \left(1 - \frac{nx^2 - \sqrt{3} \cdot nx \cdot ny}{nz + 1} \right) \right) \right|_{x = +e \cdot ny} = \frac{e}{2} \left(\sqrt{3} \cdot nx + ny \right)$$

$$\hat{K}$$
. $\sqrt{3}bfy(cfy-afy) + \sqrt{3}cfy(bfy-afy) = wn=$
 $2bfy(fy-afy)(bfy+cfy) = wn=$

$$2bfy(fy - afy (bfy+cfy) = \frac{w_{n}}{\sqrt{3}}$$

$$afy = \frac{2bfy(fy - \frac{w_{n}}{\sqrt{3}}}{bfy+cfy}$$

$$= Vbfy + \frac{wny}{\sqrt{3}} + Vbfy + \frac{2bfy \frac{wny}{-\sqrt{3}} - Vbfy}{+} \frac{(+-v) - \frac{wnz}{\sqrt{3}} (+-v)}{+} R = -\frac{w}{\sqrt{3}}$$

$$bfy + \frac{wny}{-\sqrt{3}} - Vbfy + \frac{wny}{+} \frac{(+-v)}{+} \frac{wnz}{\sqrt{3}} + \frac{wny}{\sqrt{3}} + \frac{wn$$

$$\frac{2bfy}{+} \frac{\frac{2bfy}{+} \frac{Rny - vbfy}{+} (+-v) + Rn_{2} (+-v)}{\frac{+bfy}{+} \frac{+Rny - vbfy}{+}}$$

$$2Vbfy - Rny + \frac{2bfy P(Rny - Vbfy) + +RPn_2}{bfy P + Rny}$$

$$2VPbFy^2 + 2VRbFyny - RPbFyny - R^2ny^2 + 2PRbFyny - 2PVbFy^2 + +RPn_2 = WPbFynx + RWnynx$$

$$2VRbFyny - WPbFynx + PRbFyny = R^2ny^2 + RWnynx - +RPn_2$$

ZVR bfyny - WPbfynx + PRbfyny =
$$R^2 ny^2 + Rw nynx - tRPn_2$$

bfy = $\frac{R^2 ny^2 + Rw nynx - tRPn_2}{2VR ny - wPnx + PRny}$ $w = 3$

$$= \frac{R(Rny^{2} + wnynx - P + n2)}{Rny(2V + P) - wPnx}$$

$$+ bf_{2} - af_{2} = -\frac{e}{2}(\sqrt{3}nx + 3ny)$$

$$= \frac{R(Rny^{2} + wnynx - P + n2)}{Rny(2V + P) - wPnx}$$

$$R = -\frac{U}{\sqrt{3}}$$

w= 3/3e2

P= +-V = - 13 enx

++v = -3eny

$$\frac{1}{15}ny^{2} + W_{ny}nx - + (+-v)nz$$

$$= \frac{e^{\lambda y^2 - \sqrt{3}e^{\lambda x} + e^{\lambda x^2} - \sqrt{3}e^{\lambda x} + \sqrt{3}e^{\lambda x} + \sqrt{3}e^{\lambda x} + \sqrt{3}e^{\lambda x}}{2(1-n^2)}$$

$$= \left(\frac{e}{2}\right) \frac{ny^2 + nx^2n^2 + \sqrt{3} nx ny (n^2 - 1)}{1 - n^2}$$

$$= \left(\frac{e}{2}\right) \frac{ny^2 + nx^2n^2 + \sqrt{3}nxny(n^2 - 1)}{1 - n^2}$$

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

$$= \left(\frac{e}{2}\right) \left(1 + \frac{\alpha x^{2}(\alpha z - 1) + \sqrt{3} \alpha x \alpha y (\alpha z - 1)}{1 + \alpha x^{2}(\alpha z - 1)}\right)$$

$$=\left(\frac{2}{6}\right)\left(1+\frac{\sqrt{x_{5}(\sqrt{5}-1)+2}\sqrt{x^{5}\sqrt{x^{5}}}}{1-\sqrt{5}}\right)$$

 $= \left(\frac{e}{2}\right) \left(1 + \frac{(\sqrt{5-1})(\sqrt{2} + \sqrt{3}\sqrt{2}\sqrt{2})}{(\sqrt{2}+\sqrt{3}\sqrt{2}\sqrt{2})}\right)$

$$= \left(\frac{e}{2}\right) \left(1 + \frac{(nz-1)(nx^2 + \sqrt{3}nxny)}{-(nz-1)(nz+1)}\right)$$
by
$$= \left(\frac{e}{2}\right) \left(1 - \frac{nx^2 + \sqrt{3}nxny}{nz+1}\right)$$

$$CF_y = \left(\frac{e}{2}\right)\left(1 - \frac{nx^2 - \sqrt{3} \cdot nx \cdot ny}{n + 1}\right)$$

$$afy = \frac{2bfyCfy - \frac{3}{2}e^2n}{bfy + Cfy}$$

$$\frac{e^{2}}{2}\left(1 - \frac{nx^{2} + \sqrt{3} \wedge x \wedge y}{nz + 1}\right)\left(1 - \frac{nx^{2} - \sqrt{3} \wedge x \wedge y}{nz + 1}\right) - \frac{3}{2}e^{2}nz$$

$$e - \frac{e}{2}\left(\frac{nx^{2} + \sqrt{3} \wedge x \wedge y + nx^{2} - \sqrt{3} \wedge x \wedge y}{nz + 1}\right)$$

$$\frac{e^{\frac{1}{2}\left(1 + \frac{-nx^2 + \sqrt{3}Ax\pi y - nx^2 - \sqrt{3}Ax\pi y}{n^2 + 1} + \frac{nx^4 - 3nx^2 ny^2}{(n^2 + 1)^2} - 3n^2\right)}{1 - \frac{nx^2}{2}}$$

$$\left(\frac{e}{2}\right)\left(1 - \frac{2\Lambda X^{2}}{\Lambda^{2}+1} + \frac{\Lambda X^{4} - 3\Lambda X^{2}\Lambda y^{2}}{(\Lambda^{2}+1)^{2}} - 3\Lambda^{2}\right)\left(\frac{\Lambda^{2}+1}{\Lambda^{2}+1-\Lambda X^{2}}\right) \\
\left(\frac{e}{2}\right)\left(\frac{\Lambda^{2}+1}{\Lambda^{2}+1-\Lambda X^{2}} - \frac{2\Lambda X^{2}}{\Lambda^{2}+1-\Lambda X^{2}} - \frac{3\Lambda^{2}\left(\Lambda^{2}+1\right)}{\Lambda^{2}+1-\Lambda X^{2}} + \frac{\Lambda X^{4} - 3\Lambda X^{2}\Lambda y^{2}}{(\Lambda^{2}+1)\left(\Lambda^{2}+1-\Lambda X^{2}\right)}\right)$$

$$Afy = \left(\frac{e}{2}\right)\left(1 - \frac{\alpha x^{2} + 3\alpha z^{2} + 3\alpha z}{\alpha z + 1 - \alpha x^{2}} + \frac{\alpha x^{4} - 3\alpha x^{2}\alpha y^{2}}{(\alpha z + 1)(\alpha z + 1 - \alpha x^{2})}\right)$$