[2] Hayma. Se 8x ws3xdx Penulme: 3((x,L,B) = / Edx Sin(Bx)dx 32 (N. 8, P) = / 89 / CE(BX) dx $J_{1} = \int \mathcal{C}^{d x} \sin(\beta x) dx = \int \sin(\beta x) \left(\mathcal{E}^{d y} dx \right) = \int v d \vec{v} = (1)$ N= 2N(B) -> q0 = 4 = 1/2 (BA) = 100 (BA) q (BA) = 100 BA (Bqx) = B 100 (BA) q X 92=67,44 = Gy, T(34) = T(67,794) = Ty64x = 4(67x) => 2-67x NA- EN (BA) = = = = = = = = (BA) DAN = = = (8 raz (8x) x) = & son (8x) yx (1) = NO- Ingh = 64 ON(BX) - Begx ODS(BX)gx = = 84x 21/(8x) - = 84x 002 (Bx) 9x = 84x 81/(8x) - 3 35 $\int_{S} = \int_{S_{T,X}} n z (kx) qx = \int_{S_{T,X}} n z (kx) (kx) (kx) (kx) (kx) = \int_{S_{T,X}} n z (kx) qx = (S)$ N= n2 (bx) -> qn = q m2 (bx) = - < 1/4 (Bx) q (bx) = - 24 (Bx) byx = - Bzin(bx) qx 12=69x9x = 67x = (89x) = = (69x9(0x)) = = = 969x = 9(2x) => 1= = = UT = 105(px) = = = = = ws(p1) Sm= of (ben(br) ox) = - & sqx ein(br) ox $(s) = N \Omega - \left(\Omega_Y \eta \eta = \frac{\gamma}{6g_X} \cos (6x) - \left(-\frac{\gamma}{6} \right) s_{g_X} \sin (3x) q_X = \frac{\gamma}{6g_X} \cos (6x) - \frac{\gamma}{6g_X} \cos (6x) - \frac{\gamma}{6g_X} \cos (6x) - \frac{\gamma}{6g_X} \cos (6x) \right)$ = = = 1 m2(8x) + & (8x) qx = = = m2(8x) + &]1

$$\frac{1}{1} = \frac{e^{4}}{e^{4}} \sin(\beta x) - \frac{1}{2} \frac{1}{2} = \frac{e^{4}}{e^{4}} \cos(\beta x)$$

$$\frac{1}{1} = \frac{e^{4}}{e^{4}} \cos(\beta x) + \frac{1}{2} \frac{1}{1} = \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{e^{4}}{e^{4}} \cos(\beta x)$$

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$$\int_{S} z = \frac{g_{x} + k_{x}}{g_{x} + k_{x}} \left(k_{x} + \gamma \cos(k_{x}) + \gamma \cos(k_{x}) \right)$$

$$= \frac{\gamma_{x} + k_{x}}{g_{x}} \left(\gamma \cos(k_{x}) + \gamma \cos(k_{x}) \right)$$

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$$= \frac{4\pi}{64\pi} (32\%)$$

$$= \frac{4\pi}{64\pi} (4\pi) (6\pi) + 6\pi \cos(6\pi) = \frac{4\pi}{64\pi} (75\%) \cos(6\pi) + (8\pi) \cos(6\pi) + (8\pi)$$

(4)

$$\int e^{2Y} \cos^2 x \, dX = \int_2 (X_1 Z_1 Z_2) =$$

$$= \frac{e^{4Y}}{4^2 + 8^2} \left(\beta \sin(\beta x) + 4 \cos(\beta x) \right) \Big|_{x=2} =$$

$$= \frac{e^{2Y}}{2^2 + 3^2} \left(3 \sin 3X + 2 \cos 3X \right) =$$

$$= \frac{2}{2^2 + 3^2} \left(3 \sin 3X + 2 \cos 3X \right) =$$

$$= \frac{2}{2^2 + 3^2} \left(3 \sin 3X + 2 \cos 3X \right) + C$$

Ombern:

$$= \int e_{5x} \cos 3x \, dx = \frac{55+35}{64x} \left(\frac{5+35}{8} \left(\frac{3+35}{8} \cos (\frac{5}{8}) \right) + C$$

$$\int e_{5x} \cos (\frac{5}{8}) \, dx = \frac{75+85}{64x} \left(\frac{5}{8} \sin (\frac{5}{8}) + \frac{7}{8} \cos (\frac{5}{8}) \right) = 0$$

$$\int e_{5x} \cos 3x \, dx = \frac{15+85}{64x} \left(\frac{5}{8} \sin (\frac{5}{8}) - \frac{5}{8} \cos (\frac{5}{8}) \right) = 0$$