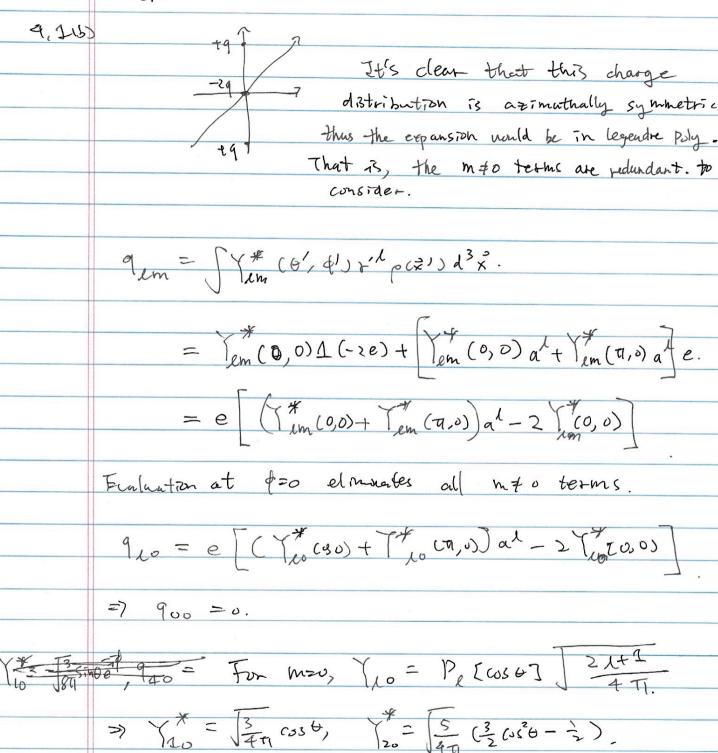


Computing 911 explicitly: 11 = - 3 sint eit. $911 = ea^{1}(-\sqrt{3})\sin\frac{\pi}{2}e^{0} + e^{-7\pi/2} - e^{-13\pi/2}$ $= -\frac{3}{8}$ ea [4+1+(-i)-(i)]= - \[\frac{3}{2} \ 2 \ ea \[1 - i \] \] subrequently, 91-1= 911 (-1) = 3 2ea(1+i). We apply the same scheme to find 933, 93-3: $\frac{35}{33} = -\frac{1}{4} \sqrt{\frac{35}{411}} \sin \frac{3}{411} \sin \frac{3}{411} \sin \frac{3}{411} \sin \frac{3}{411} \cos \frac{3}{4$ $= -\frac{ea^{3}}{4} \left[\frac{35}{4\pi} \times \left[1 + i - (-1) - (-i) \right] \right]$ $= -2e^{3} \sqrt{35} \sqrt{411} \sqrt{1+i} - \frac{1}{2} \sqrt{35} \sqrt{1+i}$ Consequently, 93-3 = | ed3 | 35 [1-i]

> Danden Chey 10. 2024.

Jackson



$$\frac{7}{50} = \frac{7}{40} \left(\frac{5}{5} \cos^3 \theta - \frac{3}{5} \cos \theta \right).$$

$$Y_{10} = P_{1}[\omega_{5}6] \frac{21+1}{4\pi} \Rightarrow Y_{10} = P_{1}[\omega_{5}6] \frac{21+1}{4\pi}$$

$$C_{15}|_{0=0} = 1, \quad cos \tau_{1} = -1.$$

$$Q_{10} = e \frac{1}{2}\frac{1}{4\pi} \left[(P_{1}(x=x]+P_{1}(x=-1))a^{1} - 2P_{1}(x=1) - 2P_{1}(x=1) \right]$$

$$P_{1}[1] = 1, \quad P_{1}[-1] = (-1)^{1}.$$

$$P_{2}[1] = 1, \quad P_{1}[-1] = (-1)^{1}.$$

$$P_{3}[1] = 1, \quad P_{1}[-1] = (-1)^{1}.$$

$$P_{2}[1] = 1, \quad P_{3}[1] = (-1)^{1}.$$

$$P_{3}[1] = 1, \quad P_{3}[1] = (-1)^{1}.$$

$$P_{4}[1] = 1, \quad P_{3}[1] = (-1)^{1}.$$

$$P_{4}[1] = 1, \quad P_{4}[1] = (-1)^{1}.$$

$$P_$$

B the general form for nonvanishing terms.

Davidson Cheng.