Gozzett.

22 4"+ 2 4'+ (21-22) 2 50 26 C - 2=0 Juchsian; 2=00 Bing 2nd kind - 92(2): 1- 62 Holaton 9<1 >> 2nd kind y=(4) => dy = [(-1) + i (-1) + 22(v20)] J diagonalize: A(2) 1. Alagonalize: A(2)

Gold -1) Go= (2) = 1 Go; (1) 1 -1/2

formal 7 (2) = Go(1+ZF2-k)e/2+/1/42

-1. T: GoT= 177where Tr 4(2) + 1 . 1 / 1 / 27. 5 = GoT = 177-actual Y(2) = Goy(2) = 1/2 (eie = 12) - Stokes ruys: 2, 21, 22, 1 Re(eiz)=> lm(ziz) co sarg Z= ktc, de? Son Son Szry Zolf Inte 11=1050, 72=115, -write I: ("" ""), 71 (" "" ") -> [u, u,] \$ = [u, v,] (Vz (2) + V(12) 2 1/2 erit vel 70(8) ~> H(1,21)(8) ; J(2) +27 (2) Hankel fus. $H^{(i)}(z) = const. \left(\int_{z}^{con} e^{i\beta} \left(1 + \frac{zt}{z} \right)^{-1/2} dt \right) e^{-1/2} e^{iz} \left(\frac{\pi}{z} - \frac{\pi}{z} \right) e^{-1/2} \left(\frac{\pi}{z} - \frac{\pi}{z} \right) e^{-1/2} \left(\frac{\pi}{z} - \frac{\pi}{z} \right) e^{-1/2} e^{iz}$ $-\frac{\pi}{z} - \frac{\pi}{z} - \frac{\pi}{z} - \frac{\pi}{z} - \frac{\pi}{z} e^{iz} - \frac{$ H(2)(Z):-eino H(1)(Zein)) -2te < 4792 ett

$$\left(H_0^{(1)}(z) - H_0^{(4)}(ze^{-2\pi i}) \right) = \left[H_0^{(1)}(z) - H_0^{(2)}(z) \right] \left(\frac{1}{6} \frac{1}{1} \right) \right)$$

$$= e^{\pi i i i} \frac{\sin \pi i i}{\sin \pi i}$$

$$- \frac{1}{6} \cos \pi i \sin \pi i$$