



 $\omega(z) = \ln f \leq \ln(f/e) e^{i\alpha rgf} \leq \ln f/f + i\alpha rgf = \chi^2 - g^2 + 2i\chi g = (x + iy)^2 = z^2$ UC 12002 y c 12 (cos2 p - sin2y) 5 x2-y dus ax = gy => v = dxy + q(y) 34 5 -24 5 - 2V = V 5 2x4 fsew(2) sez - Orber & Argfsky fsificiargf (ewiz) = w(z) clnfit cargf $\frac{\partial V}{\partial y} \leq \chi \leq \frac{\partial U}{\partial x} \Rightarrow U \leq \frac{\chi^2}{2} + \psi(\chi)$ => W(z) = x2 - y2 + xys \(\frac{1}{2}z^2 = \frac{1}{2}f(z) \) = \(\frac{1}{2}z^2 - \text{OTBET}\) 3V & y 5 - 8U 2) US - 42 + 18(y) Jag. 8 1/2dz 3/ie²iqdq s il e²iql27 5 ½(e471-1) 50 2) /2* d2 = fier-eigdy sifdy s 200 3ag. 8 5 Singdcosp-cospdslnps-Psin2p+cos2pdys-In xscosy yesiny

1 - sin 2 φ - (2+cosφ)cosφ dφ s 1+2cosφ dφ s - 1(2 - 3 - 2/5+4cosφ) dφ s 1/2 + 4 cosφ dφ s - 1(2 - 3/5+4cosφ) dφ s 1/2 + 13/1/20084 de 2-2-3 = 3 archan (tan (2)) 2 = -44 x = 0 3ag. 10 y(1) 50 y'(2) 5 22 5 1 1 1 24 => 34 5 2 34 5 2 1) y(-1)-y(1) s fy(2) dz & f & dp 5 & 5 y(-1) - orber 2) y(i) 5 / 2dy 5 - 2m - 07Be7 309-11 $\frac{1+22^{\frac{2}{3}}}{2^{\frac{3}{4}}z^{\frac{6}{5}}} = \frac{1+2z^{\frac{2}{3}}}{z^{\frac{3}{4}}(1+2^{\frac{2}{3}})} = \frac{1}{z^{\frac{3}{4}}} + \frac{2}{z^{\frac{3}{4}}} - \frac{1}{z^{\frac{3}{4}}} = \frac{1}{z^{\frac{3}$ 309.12 $f(z) = \frac{1}{2(e^{2}-1)} = \frac{1}{2(1+z+\frac{z^{2}}{2}-1)} = \frac{1}{2^{2}(1+\frac{z}{2})} = \frac{1}{2^{2}(1-\frac{z}{2})} = \frac{1}{2^{2}} = \frac{1}{2^$ 309, 13 f(2) s = 1 8 - 2 5 21 s - 2 2n-1 3aq.15 f(2) 5 sin 2 4 22 - $\sin z = (x-\pi) + \frac{(x-\pi)^2}{3!} = (\pi-x)\left(1-\frac{\pi}{3!}\right)^2$ $f(2) = \frac{1}{\pi^2 x} \left(1 + \frac{(\pi^2 x)^2}{31}\right) + \frac{2}{\pi^2} 2 \left(1 + \frac{2^2}{\pi^2}\right) = \frac{1}{\pi^2} + \frac{\pi^2 x}{31} + \frac{2^2}{\pi^2} + \frac{2^2}{\pi^2}$ 3ag. 17 fiz) = z ez e z (z Z z n) z - z n)

