

$$\wp(z,.34+.87i)$$

$$\ln(z), \sin(z), \cosh(z), 1/\cosh(z)$$

$$z,z^2,z^5,z^{\frac{1}{2}},z^{\frac{1}{12}}$$

$$e^{1/z}$$

$$\Gamma(s),\zeta(s)$$

$$\frac{1}{1+z^2}$$

Complex Analysis:

Appendix of Color-Plots

Alexander Atanasov

$$\sqrt{1-\zeta^2}$$

$$\frac{\partial u}{\partial x}+i\frac{\partial v}{\partial x}=\frac{1}{i}\frac{\partial u}{\partial y}+\frac{\partial v}{\partial y}$$

$$\Theta(0|\tau), \Theta(z|i), \Theta\left(z\Big|\frac{1}{2}+\frac{1}{2}i\right), \Theta(z|.34+.87i), \Theta(z|1.2+.2i)$$

$$\operatorname{sn}(z)$$

