

$$\begin{aligned}
& \frac{z}{1+} \\
& (-1)^nnn+1 \\
& (n= \\
& 1,2,\ldots) \\
& \frac{z}{1m+} \\
& \frac{n}{n,m} \\
& \frac{z}{pm+} \\
& \frac{iqn}{n,m,p,q} \\
& |z|< \\
& \frac{1}{\{z_n\}} \\
& \{z_n= \\
& x_n+ \\
& iy_n\} \\
& \{x_n\} \\
& \{y_n\} \\
& \lim_{n\infty}z_n\neq \\
& 0 \\
& \lim_{n\infty}|z_n|\neq \\
& 0 \\
& \arg z_n \\
& \lim_{n\infty}\arg z_n \\
& \lim_{n\infty}z_n \\
& -\pi< \\
& \arg z_n\leq \\
& \pi \\
& \{z_n\} \\
& \{|z_n|\} \\
& \lim_{n\infty}(1+zn)^n= \\
& e^x(\cos y+i\sin y) \\
& \lim_{n\infty}n(\sqrt[n]{z}-1)= \\
& \log r+ \\
& i\phi+ \\
& 2k\pi i \\
& (k=0,1,2,\ldots) \\
& f(z) \\
& z_0 \\
& z_0 \\
& \{z_n\} \\
& z_0 \\
& \lim_{n\infty}f(z_n)= \\
& f(z_0) \\
& f \\
& z_0> \\
& 0 \\
& \delta(\varepsilon)> \\
& 0 \\
& |z- \\
& z_0|< \\
& \delta \\
& |f(z)- \\
& f(z_0)|< \\
& \varepsilon \\
& zz,z|z|,(z^2)|z|^2,zz|z| \\
& z\neq \\
& 0= \\
& 0 \\
& 11-z^2 \\
& 11+z^2 \\
& (|z|< \\
& 1) \\
& e^{-\frac{1}{|z|}} \\
& |z|\leq \\
& R= \\
& 0 \\
& e^{\frac{1}{z^2}} \\
& e^{\frac{1}{z^2}} \\
& 0< \\
& |z|\leq \\
& R \\
& |\arg z|\leq \\
& \pi 6 \\
& w^{-\frac{1}{z}} \\
& e^{\frac{1}{z}} \\
& 0< \\
& |z|\leq \\
& 1 \\
& |\arg z|\leq \\
& \pi 2 \\
& 0<
\end{aligned}$$