$$=\frac{a8}{1-a8}+\frac{1}{1-a2}$$

$$= \frac{(1-\alpha^2)^{\frac{2}{2}-1}}{(2^{-1}-\alpha)(1-\alpha2^{-1})}$$

42岁城市 [02]<1. 且[02]<1 」 图[0]<1.

$$\chi(z) = \xi \chi_0 z^{-n} = \xi z^{-n} = \frac{1-\xi^n}{1-\xi^{-1}}$$

夏品为2=1. 收款校市 图20.

X(n)= n[u(n)- u(n-N)] + (2N-n)[u(n-N)-u(n-2N)]

= nucn)-nucn-N)+ (2N-n)u(n-N)- (N-n) u(n-2N)

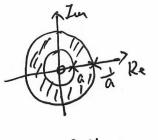
= 'nucn) - 2cn-N) ucn-N)+(n-2N)

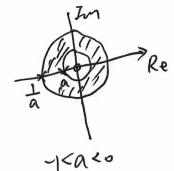
$$X(2) = \frac{z^{-1}}{(1-z^{-1})^2} - \frac{2z^{-N} \cdot z^{-1}}{(1-z^{-1})^2} + \frac{z^{-2N} \cdot z^{-1}}{(1-z^{-1})^2}$$

收敛伪为 15图50

雾点 圣礼、椒点 圣和、 圣和

重成为至三、 极品为 民二首、 思江 9、





$$X(R) = \sum_{n=1}^{R} X(n) Z^n = \sum_{n=1}^{R} n Z^n = \frac{Z^1}{(1-Z^{-1})^2}$$

聖法由 8=0、 极点为 ≥(=≥=) 化级城市 |2|≥|

$$\chi_{(8)} = \frac{-32^{-7}}{2-52^{-1}+22^{-2}} = \frac{-1}{1-22^{-1}} + \frac{1}{1-a52^{-1}}$$

$$\chi(2) = \frac{-38^{-1}}{2 \cdot 58^{1} + 28^{2}} = \frac{0.58}{1 - 0.58} = \frac{1 - 28}{1 - 28}$$

$$X(2) = \frac{-327}{2-627+22} = \frac{0.52}{1-0.527} = \frac{1}{1-0.527}$$

$$\frac{\chi(2)}{z} = \frac{8z-19}{z(z-2)(z-3)} = \frac{A}{z} + \frac{B}{z-2} + \frac{C}{z-8}$$

$$A = \frac{\chi(8)}{\chi(8)} \cdot \chi(8) = \frac{(8-2)(8-3)}{(8-2)(8-3)} = \frac{19}{8}$$

$$\beta = \frac{\chi(2)}{2}.(2-2)|_{2=2} = \frac{82-19}{2(2-3)|_{2=2}} = \frac{3}{2}$$

$$C = \frac{\chi(2)}{2}(2-3)/2=3 = \frac{32-19}{2(2-2)/2=3} = \frac{5}{3}$$

$$3 \times (8) = \frac{168}{92} + \frac{3}{2} \times \frac{8}{2-2} + \frac{5}{3} \times \frac{8}{2-3}$$

设收敛城市 区(>3. 公)

$$\chi(n) = -\frac{16}{9} \xi(n) + \frac{3}{2} \cdot 2^{n} \cdot u(n) + \frac{3}{2} \cdot 3^{n} u(n)$$

茎收敛线为 2<图<3、则

$$X(n) = -\frac{16}{3}S(n) + \frac{3}{2}2^{n}U(n) + \frac{5}{3}(-3)^{n}U(-n-1)$$

多收敛战为 121<2、A1

$$\chi(n) = -\frac{16}{9} sn + \frac{3}{2} (-2)^{n} (u(-n-1) + \frac{3}{3} (-3)^{n} u(-n-1)$$

礼、长不的方到的多变换

$$X(n) = (\pm)^{n+1} u I_{n+3}$$

$$X(n) = (\pm)^{n+1} u I_{n+3} = \pm \frac{1}{n-3} (\pm 2^{-1})^{n}$$

$$X(n) = (\pm)^{n+1} u I_{n+3} = \pm \frac{1}{n-3} (\pm 2^{-1})^{n}$$

$$XR = \frac{1}{2} \cdot \frac{(\frac{1}{2}z^{-1})^{-3}}{1 - \frac{1}{2}z^{-1}} = \frac{(\frac{1}{2})^{-2}z^{3}}{1 - \frac{1}{2}z^{-1}} = \frac{4z^{4}}{z^{2} - \frac{1}{2}} + \frac{1}{z^{2}} = \frac{4z^{4}}{z^{2}}$$