

lim SN = lim (1 fr) = - By defauton _ Zan: Conv. Linearity of Infinite Sevies If Zan, Zbi. Conv, & coconst then so one Eastbur = Zast Sbu S((.0)) = (8.0) The geometile series Zar"= a+ or+ar+ = ar3+ == $-S_{N} = atav + ar^{2} + ..., ar^{N}$ $-r. S_{N} = av + ar^{2} + or^{2} + ... + ar^{N+1}$ Sn-risn = a-arny TFFT SNEQTAT ... Fa SN = (9(1-rN-1) ar" = Slow (rate= 9) = first term if -12 rx1 otherwise Find the sun of 6+6. \(\frac{t}{q}\) +6. \(\frac{t^2}{q^3}\) + " (A) Geo Ser r=5 since-12521, (3) 25 lonv. The value - first fein