

b) < (w) > = ecross-talk term) = sum of N. (p-1), # random numbers that are +1 or -1 with equal probability, divided by K (the remaining N. (p-1) 11-4) terms are egud to zero) (Ci) Dornedons = sum of K. (p+1) random numbers + 1 with equal prob., divided by K. In the limit of Kp >> 1, we make use of the CKT, and conclude: is Gaussian distributed with < City connections mean I and variance tha is approximately equal to E K. P P K n the limit of N>1, use the following approximation (Si connections) $m_{\nu} = \frac{1}{N} \sum_{i=1}^{N} x_{i}^{(\nu)} sgn(\langle b_{i} \rangle_{connections})$ $m_{\nu} = \frac{1}{N} \sum_{i=1}^{N} x_{i}^{(\nu)} sgn(\langle b_{i} \rangle_{connections})$ $m_{\nu} = \frac{1}{N} \sum_{i=1}^{N} sgn(\langle a_{i} \rangle_{i}^{(\nu)} \sum_{i=1}^{N} w_{i}^{(\nu)} sgn(\langle a_{i} \rangle_{i}^{(\nu)} sg$ $\frac{1}{2} \frac{1}{2} \frac{1}$





