Dimensioning of Circuit Switched Networks by Using Simulation Code Based On Erlang (B) Formula

Authors : Ali Mustafa Elshawesh, Mohamed Abdulali

Abstract : The paper presents an approach to dimension circuit switched networks and find the relationship between the parameters of the circuit switched networks on the condition of specific probability of call blocking. Our work is creating a Simulation code based on Erlang (B) formula to draw graphs which show two curves for each graph; one of simulation and the other of calculated. These curves represent the relationships between average number of calls and average call duration with the probability of call blocking. This simulation code facilitates to select the appropriate parameters for circuit switched networks.