Forest H.

Weekly report 5

Traffic engineering, IP networks must be managed, TCP and routing self-adapt to some extent but can become congested. How routing should adapt to traffic is something traffic engineering tries to solve, this often concerns tuning routing protocol configs, both intra and inter traffic, along with multipath routing. Graph G(R, L) , r as in routers l as in unidirectional links, Cl: capacatity of l, Mij represents traffic load, the output is the set of link weights written as Wl. Link utilization is an optimization problem, solved by a piecewise linear cost function, but generally not efficient enough to run, searching through link weights is the alternative. To digitize an analog signal, sample the audio signal at fixed intervals, then represent the amplitude of each sample with a fixed number of bits. Video compression is a sequence of images, and those images can be compressed using spatial redundancy. Compression across images is temporal redundancy, uses I/reference frames to get P/derived frames. Using blocks of pixels from the I frame a P frame can be created by adding some motion vectors.