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On the total amount of lost information in a TASI system

Consider the process of information transmission in a Time Assignment Speech Interpolation (TASI) system . The functioning of such systems is usually characterized by the fraction of freeze-out talkspurts of talkers . In the present article we analyze the behavior of such systems and derive characteristics for the total amount of lost information in a TASI system, under the assumption that input subscribers are continuously occupied, talkspurts and silence periods are exponentially distributed.