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# TIME SCALED MODULATED SIGNAL AND ITS VARIATION IN REAL SATURATED TIME SHIFTED COMMUNICATION STRATEGIES

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## *ABSTRACT*

*Time scaling and its modulation over saturated time shift strategies are one of the best suitable methods to develop time stretched topologies. In this paper analysis of shifted standards through which Time Scaled modulated signal can be applied in several communication strategies depending on the frequency and phase of the amplitude. It is necessary to tackle physical topology challenges and to adequately use a limited platform. We should take a simple scaled signal and generate quality and compare it with theoretical values to applaud the traditional values. The interpolation introduced in this particular topology is very helpful to demonstrate various communication standards. We have signal statistics that are unknown and varying in real-time implementations. The signal statistics associated with interpolated communication are essentially changing throughout time interval. For scaling purpose we used the available traditional communication topologies like amplitude, phase and frequency. Therefore if we try to time-stretch the signal by making it faster, we do not have the ability to grab the future frames which makes speeding up the signal impossible. However in order to slow down the signal we are simply, in some cases, repeating parts of the known signal, therefore time-stretching used to decrease the speed of signal. Also as per application point of view this analysis helps to understand interpolated shifting behavior towards communication topologies.*

***KEYWORDS:*** *Time Scaling; Communication; Stretching; Interpolation; TRNS; SOLA; ZCR*

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