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	Author-ID	Publications	Citations	h-index
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Doctor of Technical Sciences. The solution to an important scientific problem – increase the specific throughput of radio engineering systems with sequential data transmission. For this purpose, a new theory of resolving time has been created for a class of phase radio engineering systems with sequential data transmission with a linear receiver. A new system parameter, resolving time, has been introduced, new adequate mathematical models based on resolving time have been created, functioning in frequency-selective communication channels in the presence of ISI. A new approach to throughput assessment has been developed, fundamentally new methods for assessing throughput and noise immunity have been created, independent of the volume of the channel alphabet with low computational complexity. A new operating mode of a phase radio engineering system with sequential data transmission has been identified and studied – the mode of "transparency windows" arising from damped oscillations in the process of establishing informative parameters, which allows increasing the throughput of the system.