

Integrated Solutions in Earth Remote Sensing

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Integrated Solutions in Earth Remote Sensing G.M. Tchernyavsky Space Observation Center, Roskosmos The paper deals with the system approach concepts in Earth remote sensing that is complicated by the complex system. The Earth remote sensing system is treated as an integrative set of space and ground-based facilities. The system's environment, purposes, attributes and structure as well as the functions of its components and the system in large are considered. The dimensions of the Earth remote sensing satellite system are discussed accounting for a possible destruction when the system is overcomplicated as well as for the risk of loss in emergency and the ability of functioning when the system is simplified.