

Design and Analysis of FSO Systems Using the Software Package “FSO System Simulator (FSO SystSim)” – Statistical Model

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Abstract—This paper deals with the modeling of Free Space Optics (FSO) communication links using the software package “FSO SystSim”, which was designed and implemented at KEMT FEI TUKE. Simulation of FSO communications links is of great importance in designing and understanding the context of such connection, depending on various parameters, both technical and constantly changing atmospheric parameters of the transmission optical channel. Paper briefly describes the statistical model used in this programming tool, and describes experiments carried out by the FSO SystSim.

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