

Prediction of Distortion of Transmitted Video in IP Networks

Lais Silva Gomes*, Claudio de Castro Monteiro*

*Federal Institute of Education, Science and Technology, AE 310 South Avenue 05 LO, South Master Plan,
Palmas, Tocantins – Brazil*

laisgomes2107@gmail.com, ccm@ifto.edu.br

Abstract— This paper presents an implementation to try to predict the distortion of a video transmitted in WLAN networks. So was developed a model of video distortion prediction, which not requires access to the original video. The model is intended to be used under read conditions of video transmission in WLAN networks. The results obtained with this implementation can demonstrate the influence of packet loss in the final quality of the received video, presenting a new strategy that can be used as a selection networks criteria, in order to ensure to the user a good experience in the reception of videos during their movement between WLAN networks.

Keyword— Video distortion, Video transmission, Wireless network.



Lais Silva Gomes Graduated in of Computer Science at University Federal (2010). Specialization in Telematics at the Federal Institute of Education, Science and Technology of Tocantins (2012). She is currently a support and infrastructure analyst in Social Commerce - SESC - in Tocantins. She has experience in Computer Science with emphasis in Computer Networking, Open Source, Image Processing and Artificial Intelligence



Claudio C. Monteiro. Graduated in Data Processing Technology from the University of Amazonia (1990), Masters in Computer Science from Universidade Federal da Paraíba (1997). PhD in Electrical Engineering at the University of Brasilia - UNB (2012). In addition, is teacher at the Federal Institute of Education, Science and Technology of Tocantins (IFTO - palmas.ifto.edu.br), leader of the Research Group on Networks Computers (Gredes - gredes.ifto.edu.br). He has experience in computer science, with emphasis on wireless networks, network protocols, QoS / QoE and operating systems.