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New possibilities for data analysis on board of satellites and space crafts

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[POSTER]

In this poster we present computational possibilities offered by modern FPGA devices. We propose to use them on board of satellites and space crafts for real-time data analysis using machine learning techniques thus reducing the required bandwidth in craft-control center data transmission. We present some publicly available information related to the resistance to temperature changes as well as programming methods which allow to reduce radiation induced errors.

