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## Design and implementation of multi-rate data exchange system for radar processing

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On the basis of the characteristic analysis of data transmission and interconnection interface in complicated radar real-time signal processing system, a multi-rate data exchange system based on large-scale FPGA is designed. Then the structure and composition of this system are described in detail. The system has the characteristics of standardization, modularization and scalability. And through the implementation and application in an airborne SAR signal processing system, the universality and flexibility of this system were proved. (4

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