# Library of functional cells for self-timed GA-VLSI

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**Abstract**

This report is devoted to development of design tools and production of self-timed (ST) VLSI (all possible classes) on the basis of the gate arrays (GA). GA choice, as basis for design of SS-VLSI locates. The structure of library of the elements providing effective design of SS-circuits of various classes on the basis of the GA 5503/5507, 5521/5528 domestic series is described.