

ADAGE[∞]

ADaptive ECC Automatic Generator



ADAGE is an advanced ESL tool for the automatic generation of BCH-based ECC IP-Cores with adaptable correction capability. End-users can freely and dynamically change it on-the-fly. In addition, ADAGE supports architectural exploration of both decoders and encoders.

Bose-Chaudhuri-Hocquenghem (BCH) codes are a family of Error Correction Codes (ECCs) largely applied in modern Flash-based Hard Disks to significantly improve their endurance and reliability.

