

AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY

Parallel implementation of local thresholding in Mitrion-C

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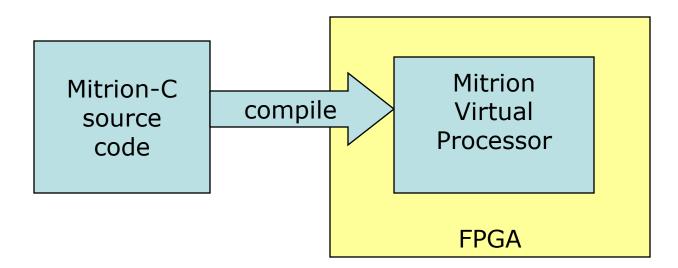


Mitrion-C

- parallel programming language

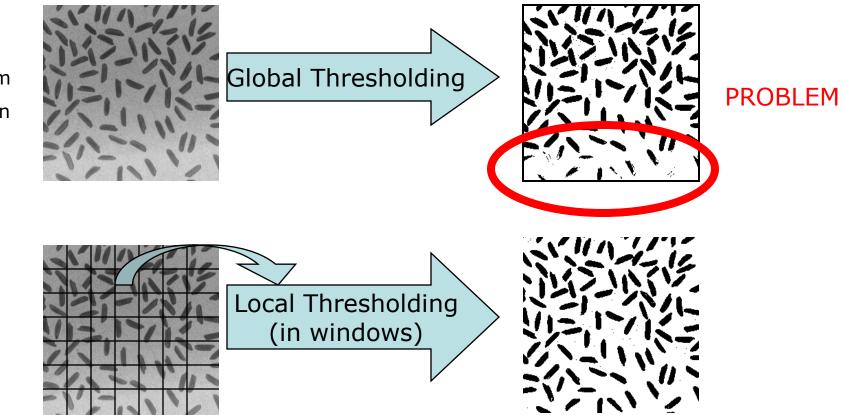


- C like syntax
- code executed on the Mitrion Virutal Processor
- no Hardware Description Language (HDL) knowledge is required





Local Thresholding



Nonuniform illumination



During experiments a modification of the data flow was done to exploit parallel processing and pipelining. It allowed to reduce nearly by half the logic resources used in the design and to decrease also by half the number of algorithm steps needed to complete the operation.

Details ? Results ? Questions ? Please come visit our poster.