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author      = {Sharan Chetlur and
               Cliff Woolley and
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title       = {cuDNN: Efficient Primitives for Deep Learning},
journal     = {CoRR},
volume     = {abs/1410.0759},
year       = {2014},
url        = {http://arxiv.org/abs/1410.0759},
timestamp  = {Sun, 02 Nov 2014 11:25:59 +0100},
biburl     =
{http://dblp.uni-trier.de/rec/bib/journals/corr/ChetlurWVCTCS14},
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  title={Synthesizing benchmarks for predictive modeling},
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  author={Cummins, Chris and Petoumenos, Pavlos and Wang, Zheng and Leather, Hugh},
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  year={2017}
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  author = "William Ogilvie and Pavlos Petoumenos and Zheng Wang and Hugh
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note      = "Date of Acceptance: 25/10/2016",
year      = "2016",
month     = "10",
booktitle = "The International Symposium on Code Generation and Optimization
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= {Kalin Ovtcharov, Olatunji Ruwase, Joo-Young Kim, Jeremy Fowers, Karin Strauss, Eric Chung}, title
= {Accelerating Deep Convolutional Neural Networks Using Specialized Hardware}, booktitle = {},
year = {2015}, month = {February}, abstract = {

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We describe the design of a convolutional neural network accelerator running on a Stratix V FPGA. The design runs at three times the throughput of previous FPGA CNN accelerator designs. We show that the throughput/watt is significantly higher than for a GPU, and project the performance when ported to an Arria 10 FPGA.

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Williams, Samuel and Straalen, Brian Van and Oliker, Leonid and Colella, Phillip}, title = {Compiler-
Directed Transformation for Higher-Order Stencils}, booktitle = {Proceedings of the 2015 IEEE
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isbn = {978-1-4799-8649-1}, pages = {313-323}, numpages = {11}, url =  
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{10.1145/1344671.1344720}, acmid = {1344720}, publisher = {ACM}, address = {New York, NY,  
USA}, keywords = {FPGA, FPGA accelerators, c-to-gates, high-performance computing, reconfigurable  
computing}, } @inproceedings{Wong:2011:CFV:1950413.1950419, author = {Wong, Henry and Betz,  
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location = {Monterey, CA, USA}, pages = {5-14}, numpages = {10}, url =  
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fpga, soft processor}, }
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title       = {Memory-Efficient Backpropagation Through Time},  
journal     = {CoRR},  
volume     = {abs/1606.03401},  
year       = {2016},  
url        = {http://arxiv.org/abs/1606.03401},  
timestamp  = {Fri, 01 Jul 2016 17:39:49 +0200},  
biburl     = {http://dblp.uni-trier.de/rec/bib/journals/corr/GruslysMDLG16},  
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{1994}, isbn = {1937-4151}, pages = {1-12}, url = {http://ieeexplore.ieee.org/document/273754/},  
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