Litteratursøgning

Omkring tensorized training:

* CONVOLUTIONAL NEURAL NETWORKS WITH LOW-RANK REGULARIZATION
  + Exact global optimizer. From scratch. 2 lag. 2016. batch normalization.
* Learning a deep convolutional neural network via tensor decomposition
  + Mostly math. Many assumptions. Non overlapping.
* Exploring GPU acceleration of Deep Neural Networks using Block Circulant Matrices
  + DNN training on GPUs. CNN og Fully connected. Block Circulant Matrices.

Omkring tensorized inference:

* CONVOLUTIONAL NEURAL NETWORKS WITH LOW-RANK REGULARIZATION
  + Fra Tobias. Selv udviklet kode til at decompose CNN.
* SPEEDING-UP CONVOLUTIONAL NEURAL NETWORKS USING FINE-TUNE DCP-DECOMPOSITION
  + 4D tensor til 4 lag. Tobias bruger. God illustration. Fine tuning med back prop.
* Exploiting Linear Structure Within Convolutional Networks for Efficient Evaluation
  + Fast execution and memory saving. Not very good.
* Speeding up Convolutional Neural Networkswith Low Rank Expansions
  + Fast execution and memory saving. Not very good.
* Stable Low-rank Tensor Decomposition for Compression of Convolutional Neural Network
  + Fokusere på interpretability og non degeneracy.
* Weighted Channel-Wise Decomposed Convolutional Neural Networks
  + Laver block term decomposition med weights.
* Holistic CNN Compression via Low-Rank Decomposition with Knowledge Transfer
  + Compresse all layers. Assists decomposition with KT from parent network.
* Speeding Up Deep Convolutional Neural Networks Based on Tucker-CP Decomposition
  + Tucker med CP på core matrix.

Omkring video:

* State-of-the-art unsupervised learning videos: <https://www.mdpi.com/2313-433X/4/2/36/htm>
  + Anomily detection in videoes that are not annotated. Finds small feature representation that are close in space for all video, and looks at the ones that are far from the center. LSTM
* image processing, vortex identification, convolutional neural network (CNN), dynamic mode decomposition (DMD):
  + Encoder decoder. Ingen decomposition
* Video Scene Segmentation Using Tensor-Train Faster-RCNN for Multimedia IoT Systems
  + Godt afnsit om tensor train vs tensor inference. Har referencer.
* Convolutional Tensor-Train LSTM for Spatio-Temporal Learning
  + LSTM. CNN decomposition. Predictive model that uses tensor training.

Omkring andet:

* Dynamic mode decomposition · Deep learning · Convolutional autoencoder · Two-phase fows: <file:///C:/Users/kee/Downloads/Ramos2020_Article_ComparisonOfDynamicModeDecompo.pdf>
* Digital archived video restoration, Defects detection, Convolutional neural network, Deep learning: I mappe
* Wind speed prediction model, Wavelet packet decomposition, Convolutional neural network, Convolutional long short term memory network, Deep learning
  + CNN, LSTM, Ingen decomposition.
* Accelerating Convolutional Networks via Global & Dynamic Filter Pruning
  + Pruning saliency dynamically.
* Deep-Learning-Based SDN Model for Internet ofThings: An Incremental Tensor Train Approach
  + For information retrieval. Might have some info on Tensor training.
* ALF: Autoencoder-based Low-rank Filter-sharingfor Efficient Convolutional Neural Networks
  + Omkring pruning

Søgeord:

* Tensor
* Decomposition
* CNN
* Convolutional
* Autoencoder
* Low-rank
* Dynamic optimizing
* Tucker
* Parafac
* Videos
* 3D
* Unsupervised
* DCNN
* Tensorized training

Søgesteder:

* <https://findit.dtu.dk/>
* https://scholar.google.com/