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Distributed Deep Neural Network Training using MPI on Python Arpan Jain, Kawthar Shafie Khorassani <https://www.pyohio.org/2019/presentations/123> Deep learning models are a subset of ...

Distributed TensorFlow training (Google I/O '18) To efficiently train machine learning models, you will often need to scale your training to multiple GPUs, or even multiple machines ...

Distributed TensorFlow (TensorFlow Dev Summit 2018) Igor Saprykin offers a way to train models on one machine and multiple GPUs and introduces an API that is foundational for ...

Distributed TensorFlow (TensorFlow @ O'Reilly AI Conference, San Francisco '18) This talk demonstrates how to perform **distributed TensorFlow** training using the Keras high-level APIs. The team walks you ...

Inside TensorFlow: tf.distribute.Strategy Take an inside look into the **TensorFlow** team's own internal training sessions--technical deep dives into **TensorFlow** by the very ...

Distributed TensorFlow (TensorFlow Dev Summit 2017) TensorFlow gives you the flexibility to scale up to hundreds of GPUs, train models with a huge number of parameters, and ...

Policy Gradient methods and Proximal Policy Optimization (PPO): diving into Deep RL! In this episode I introduce Policy Gradient methods for Deep Reinforcement Learning. After a general overview, I dive into ...

[Uber Open Summit 2018] Horovod: Distributed Deep Learning in 5 Lines of Python Horovod is a distributed training framework for TensorFlow, Keras, and PyTorch. In this talk during Uber Open Summit 2018 ...

Word2Vec Explained! Word2Vec - here's a short video giving you some intuition and insight into word2vec and word embedding. Summary of word2vec ...

Distributed Tensor Flow on Spark: Scaling Google's Deep Learning Library

Distributed Deep Learning with Apache Spark and TensorFlow with Jim Dowling (Logical Clocks AB) Enterprises and non-profit organizations often work with sensitive business or personal information, that must be stored in an ...

Demystifying Parallel and Distributed Deep Learning: An In-Depth Concurrency Analysis In this video from 2018 Swiss HPC Conference, Torsten Hoefler from (ETH) Zürich presents: Demystifying Parallel and **Distributed** ...

Apache Spark™ ML and Distributed Learning (1/5) Unlock the full self-paced class from Databricks Academy! Introduction to Data Science and Machine Learning (AWS Databricks ...

Distributed Training in the Cloud (AI Adventures) Training machine learning models at scale has never been simpler. By leveraging in the cloud machine learning engine, we can ...

Mesh-TensorFlow: Model Parallelism for Supercomputers (TF Dev Summit '19) Batch-splitting (data-parallelism) is the dominant **distributed** Deep Neural Network (DNN) training strategy, due to its universal ...

TensorFlow - Ep. 22 (Deep Learning SIMPLIFIED) Google's **TensorFlow** is currently the most popular Deep Learning library on GitHub. This video will provide an overview of the ...

Hands-on TensorBoard (TensorFlow Dev Summit 2017) Join Dandelion Mané in this talk as they demonstrate all the amazing things you can do with TensorBoard. You'll learn how to ...

Hello World - Machine Learning Recipes #1 Six lines of Python is all it takes to write your first machine learning program! In this episode, we'll briefly introduce ...

TensorFlow: Open source machine learning TensorFlow is an open source software library for numerical computation using data flow graphs. Originally developed by ...

TensorFlow On Spark: Scalable TensorFlow Learning on Spark Clusters - Andy Feng & Lee Yang About: Databricks provides a unified data analytics platform, powered by Apache Spark™, that accelerates innovation by unifying ...

Serving Models in Production with TensorFlow Serving (TensorFlow Dev Summit 2017) Serving is the process of applying a trained model in your application. In this talk, Noah Fiedel describes TensorFlow Serving ...

Building Distributed TensorFlow Using Both GPU and CPU on Kubernetes [I] - Zeyu Zheng Building **Distributed TensorFlow** Using Both GPU and CPU on Kubernetes [I] - Zeyu Zheng & Huizhi Zhao, Caicloud Big Data and ...

How to Manage GPU Resource Utilization in Tensorflow and Keras I'll show you how to keep **Tensorflow** and Keras from hogging all your VRAM, so that you can run multiple models on the same ...

Wide & Deep Learning with TensorFlow - Machine Learning Wide & Deep Learning (<https://research.googleblog.com/2016/06/wide-deep-learning-better-together-with.html>) combines the power ...

Training Distributed Deep Recurrent Neural Networks with Mixed Precision on GPU Clusters Alexey Svyatkovskiy is a Data Scientist at Microsoft. In this talk, we evaluate training of deep recurrent neural networks ...

Accelerating TensorFlow with RDMA for high-performance deep learning Google's TensorFlow is one of the most popular deep learning (DL) frameworks. In **distributed TensorFlow**, gradient updates are a ...

Large Scale Distributed Deep Learning with Kubernetes Operators - Yuan Tang & Yong Tang Join us for Kubernetes Forums Seoul, Sydney, Bengaluru and Delhi - learn more at kubecon.io Don't miss KubeCon + ...

Distributed Deep Learning with Keras/TensorFlow on Spark: yes you can! By Guglielmo Iozzia In this talk, Guglielmo Iozzia will walk through the process of using DeepLearning4J to import Python (Keras and **TensorFlow**) ...

An Uber Journey in Distributed Deep Learning In this video from the Stanford HPC Conference, Alex Sergeev from Uber presents: An Uber Journey in **Distributed** Deep Learning ...

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