

References

Integrating Constraints into Deep Learning Architectures with Structured Layers

<https://www.youtube.com/watch?v=ZA5FpkYhkAI>

Integrating optimization, constraints, and control within deep learning models

https://www.youtube.com/watch?v=vWg7GIC6u_Y

Approximate Dynamic Programming with NN in Linear Discrete Action Spaces (Feb 2019)

<https://arxiv.org/pdf/1902.09855v1.pdf>

A Solver + Gradient Descent Training Algorithm for Deep Neural Networks (Jul 2022)

<https://arxiv.org/pdf/2207.03264v2.pdf>

Wide & Deep Learning for Recommender Systems (Jun 2016)

<https://arxiv.org/pdf/1606.07792v1.pdf>

Solving Mixed Integer Programs Using Neural Networks (Jul 2021)

<https://arxiv.org/pdf/2012.13349v3.pdf>

Neural Networks with Quantization Constraints (Oct 2022)

<https://arxiv.org/pdf/2210.15623v1.pdf>

Branch and Bound for Piecewise Linear Neural Network Verification (Oct 2020)

<https://arxiv.org/pdf/1909.06588v4.pdf>

Constrained Convolutional Neural Networks for Weakly Supervised Segmentation (Oct 2015)

<https://arxiv.org/pdf/1506.03648v2.pdf>

Constrained Feedforward Neural Network Training via Reachability Analysis (Jul 2021)

<https://arxiv.org/pdf/2107.07696v1.pdf>

Learning to Solve Optimization Problems with Hard Linear Constraints (Aug 2022)

<https://arxiv.org/pdf/2208.10611v4.pdf>

Linearly Constrained Neural Networks (Apr 2021)

<https://arxiv.org/pdf/2002.01600v4.pdf>

Homogeneous Linear Inequality Constraints for Neural Network Activations (May 2020)

<https://arxiv.org/pdf/1902.01785v4.pdf>

Graph Neural Networks for Maximum Constraint Satisfaction (Feb 2020)

<https://arxiv.org/pdf/1909.08387v3.pdf>