

Adaptive Neural Network Based Target Tracking Adaptive Estimation For Control Of Uncertain Nonlinear Systems With Applications To Target Tracking

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Adaptive Neural Network Based Target

We propose Adaptive Recursive Neural Network (AdaRNN) for target-dependent Twitter sentiment classification. AdaRNN adaptively propagates the sentiments of words to target depending on the context ...

(PDF) Adaptive Recursive Neural Network for Target ...

wards the target depending on context and syn-tactic structure. We employ a novel adaptive multi-compositionality layer in recursive neural network, which is named as AdaRNN (Dong et al., 2014). It consists of more than one compo-sition functions, and we model the adaptive sen-timent propagations as learning distributions over

Adaptive Recursive Neural Network for Target-dependent ...

A neural network-based state fusion and adaptive tracking algorithm proposed in the next section can be used to track maneuvering target over a wider range of maneuvers. 5. Neural network-based state fusion and adaptive tracking. The discrete state and measurement equations of the target are described by Eqs. .

Neural network-based state fusion and adaptive tracking ...

neural network based target tracking adaptive estimation for control of uncertain nonlinear systems with applications to target tracking that you are looking for. It will definitely squander the time.

Adaptive Neural Network Based Target Tracking Adaptive ...

data driven manner. Instead of re-positioning the skeletons using a fixed human-defined prior criterion, we design two view adaptive neural networks, i.e., VA-RNN and VA-CNN, which are respectively built based on the recurrent neural network (RNN) with the Long Short-term Memory (LSTM) and the convolutional neural network (CNN).

1 View Adaptive Neural Networks for High Performance ...

Target-Adaptive CNN-Based Pansharpening Giuseppe Scarpa , Senior Member, IEEE, Sergio Vitale, Student Member, IEEE, and Davide Cozzolino, Member, IEEE Abstract—We recently proposed a convolutional neural network (CNN) for remote sensing image pansharpening obtaining a significant performance gain over the state of the art.

Target-Adaptive CNN-Based Pansharpening

given target user and item, we propose to extract an adaptive target-behavior relational graph, where the graph connect and graph prune strategies are developed to adaptively build relations between user behaviors and target item over KG. •We propose a novel framework ATBRG, a well-designed graph neural network based architecture to learn ...

ATBRG: Adaptive Target-Behavior Relational Graph Network ...

Adaptive 3D convolutional neural network-based reconstruction method for 3D ... Shimobaba, T. Kakue, and T. Ito, "Convolutional neural network-based regression for depth prediction in digital holography," in 2018 IEEE 27th ... is a measure of the percent difference between the intensity of the target and reconstructed ...

Adaptive 3D convolutional neural network-based ...

A new neural network (NN) aided adaptive unscented Kalman filter (UKF) is presented for tracking high maneuvering target. In practice, the dynamic systems of many target tracking problems are ...

A New Adaptive Maneuvering Target Tracking Algorithm Using ...

Target-Adaptive CNN-Based Pansharpening Abstract: We recently proposed a convolutional neural network (CNN) for remote sensing image pansharpening obtaining a significant performance gain over the state of the art. In this paper, ...

Target-Adaptive CNN-Based Pansharpening - IEEE Journals ...

But the model parameters in the method are based on human labor or prior knowledge, which is bound to bring negative influence on the diagnosis accuracy. Therefore, a novel adaptive Fisher-based deep convolutional neural network (AFDCNN) method, which can optimize the model parameters adaptively, is proposed as an improvement of the FDCNN.

Adaptive Fisher-Based Deep Convolutional Neural Network ...

QNet: An Adaptive Quantization Table Generator Based on Convolutional Neural Network Abstract: The JPEG is one of the most widely used lossy image-compression standards, whose compression performance depends largely on a quantization table. In this work, we utilize a Convolutional Neural Network ...

QNet: An Adaptive Quantization Table Generator Based on ...

Adaptive Inventory Control Based on Fuzzy Neural Network ...

@article{osti_1708931, title = {Adaptive 3D convolutional neural network-based reconstruction method for 3D coherent diffraction imaging}, author = {Scheinker, Alexander and Pokharel, Reeju}, abstractNote = {}, doi = {10.1063/5.0014725}, journal = {Journal of Applied Physics}, number = 18, volume = 128, place = {United States}, year = {Sat Nov 14 00:00:00 EST 2020}, month = {Sat Nov 14 00:00 ...

Adaptive 3D convolutional neural network-based ...

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GitHub - tallegemen/Neural-Network-Adaptive-PID-Controller ...

3.1. Siamese Network Backbone Modern deep neural networks [12, 44, 13] have proven to be effective in Siamese network based trackers [20, 42, 49], and now we can use them such as ResNet, ResNext, and MobileNet in Siamese network based trackers. In our tracker, we adopt ResNet-50 [12] as the backbone network.

Siamese Box Adaptive Network for Visual Tracking

The feature extraction mechanism and the classification mechanism of the adaptive Gauss neural network are revealed by mathematical analysis, a local adaptive Gauss neural network is proposed, and an efficient engineering classifier based on the local adaptive Gauss neural network is designed and applied to classify the actual ship noises.

The Classification Mechanism of Adaptive Gauss Neural ...

However, reliable trajectory-tracking-based controllers require high model precision and complexity. To develop an agile and straightforward method to mitigate the impact caused by uncertain disturbance and chattering, this study proposed an adaptive neural network sliding mode controller based on the super-twisting algorithm.

Trajectory-Tracking-Based Adaptive Neural Network Sliding ...

2.5.1 Feedforward neural network structure (FFNN) 19 2.5.2 Artificial Neural Network Structure for motor drive 21 2.6 Summary 22 Chapter 3 ANN based Adaptive Controller 23 3.1 ANN Structure for System Identification and Control 23 3.2 Off-Line Training for Initial Set of Weights and Biases of the ANN 26

ARTIFICIAL NEURAL NETWORK BASED ADAPTIVE CONTROLLER FOR DC ...

Neural Network approach in recent studies [21]. Even though the proposed adaptive Neural Network approach is limited for detection and tracking of clusters of data points, this method can further develop for id entification of geometrical figures and features of the targets. Finally, the