JavaScript is disabled on your browser.

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org.opencv.ml

## Class ANN\_MLP\_ANNEAL

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.ml.StatModel](http://docs.google.com/org/opencv/ml/StatModel.html)
      * [org.opencv.ml.ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html)
        + org.opencv.ml.ANN\_MLP\_ANNEAL
* public class ANN\_MLP\_ANNEAL  
  extends [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html)  
  Artificial Neural Networks - Multi-Layer Perceptrons. SEE: REF: ml\_intro\_ann

### Field Summary

### Fields inherited from class org.opencv.ml.[**ANN\_MLP**](http://docs.google.com/org/opencv/ml/ANN_MLP.html)[ANNEAL](http://docs.google.com/org/opencv/ml/ANN_MLP.html#ANNEAL), [BACKPROP](http://docs.google.com/org/opencv/ml/ANN_MLP.html#BACKPROP), [GAUSSIAN](http://docs.google.com/org/opencv/ml/ANN_MLP.html#GAUSSIAN), [IDENTITY](http://docs.google.com/org/opencv/ml/ANN_MLP.html#IDENTITY), [LEAKYRELU](http://docs.google.com/org/opencv/ml/ANN_MLP.html#LEAKYRELU), [NO\_INPUT\_SCALE](http://docs.google.com/org/opencv/ml/ANN_MLP.html#NO_INPUT_SCALE), [NO\_OUTPUT\_SCALE](http://docs.google.com/org/opencv/ml/ANN_MLP.html#NO_OUTPUT_SCALE), [RELU](http://docs.google.com/org/opencv/ml/ANN_MLP.html#RELU), [RPROP](http://docs.google.com/org/opencv/ml/ANN_MLP.html#RPROP), [SIGMOID\_SYM](http://docs.google.com/org/opencv/ml/ANN_MLP.html#SIGMOID_SYM), [UPDATE\_WEIGHTS](http://docs.google.com/org/opencv/ml/ANN_MLP.html#UPDATE_WEIGHTS)

### Fields inherited from class org.opencv.ml.[**StatModel**](http://docs.google.com/org/opencv/ml/StatModel.html)[COMPRESSED\_INPUT](http://docs.google.com/org/opencv/ml/StatModel.html#COMPRESSED_INPUT), [PREPROCESSED\_INPUT](http://docs.google.com/org/opencv/ml/StatModel.html#PREPROCESSED_INPUT), [RAW\_OUTPUT](http://docs.google.com/org/opencv/ml/StatModel.html#RAW_OUTPUT), [UPDATE\_MODEL](http://docs.google.com/org/opencv/ml/StatModel.html#UPDATE_MODEL)

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [ANN\_MLP\_ANNEAL](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#__fromPtr__(long))(long addr) |
| double | [**getAnnealCoolingRatio**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#getAnnealCoolingRatio())() SEE: setAnnealCoolingRatio |
| double | [**getAnnealFinalT**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#getAnnealFinalT())() SEE: setAnnealFinalT |
| double | [**getAnnealInitialT**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#getAnnealInitialT())() SEE: setAnnealInitialT |
| int | [**getAnnealItePerStep**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#getAnnealItePerStep())() SEE: setAnnealItePerStep |
| void | [**setAnnealCoolingRatio**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#setAnnealCoolingRatio(double))(double val) getAnnealCoolingRatio SEE: getAnnealCoolingRatio |
| void | [**setAnnealFinalT**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#setAnnealFinalT(double))(double val) getAnnealFinalT SEE: getAnnealFinalT |
| void | [**setAnnealInitialT**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#setAnnealInitialT(double))(double val) getAnnealInitialT SEE: getAnnealInitialT |
| void | [**setAnnealItePerStep**](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html#setAnnealItePerStep(int))(int val) getAnnealItePerStep SEE: getAnnealItePerStep |

### Methods inherited from class org.opencv.ml.[**ANN\_MLP**](http://docs.google.com/org/opencv/ml/ANN_MLP.html)[create](http://docs.google.com/org/opencv/ml/ANN_MLP.html#create()), [getBackpropMomentumScale](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getBackpropMomentumScale()), [getBackpropWeightScale](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getBackpropWeightScale()), [getLayerSizes](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getLayerSizes()), [getRpropDW0](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getRpropDW0()), [getRpropDWMax](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getRpropDWMax()), [getRpropDWMin](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getRpropDWMin()), [getRpropDWMinus](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getRpropDWMinus()), [getRpropDWPlus](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getRpropDWPlus()), [getTermCriteria](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getTermCriteria()), [getTrainMethod](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getTrainMethod()), [getWeights](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getWeights(int)), [load](http://docs.google.com/org/opencv/ml/ANN_MLP.html#load(java.lang.String)), [setActivationFunction](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setActivationFunction(int)), [setActivationFunction](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setActivationFunction(int,%20double)), [setActivationFunction](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setActivationFunction(int,%20double,%20double)), [setBackpropMomentumScale](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setBackpropMomentumScale(double)), [setBackpropWeightScale](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setBackpropWeightScale(double)), [setLayerSizes](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setLayerSizes(org.opencv.core.Mat)), [setRpropDW0](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setRpropDW0(double)), [setRpropDWMax](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setRpropDWMax(double)), [setRpropDWMin](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setRpropDWMin(double)), [setRpropDWMinus](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setRpropDWMinus(double)), [setRpropDWPlus](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setRpropDWPlus(double)), [setTermCriteria](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setTermCriteria(org.opencv.core.TermCriteria)), [setTrainMethod](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setTrainMethod(int)), [setTrainMethod](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setTrainMethod(int,%20double)), [setTrainMethod](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setTrainMethod(int,%20double,%20double))

### Methods inherited from class org.opencv.ml.[**StatModel**](http://docs.google.com/org/opencv/ml/StatModel.html)[calcError](http://docs.google.com/org/opencv/ml/StatModel.html#calcError(org.opencv.ml.TrainData,%20boolean,%20org.opencv.core.Mat)), [empty](http://docs.google.com/org/opencv/ml/StatModel.html#empty()), [getVarCount](http://docs.google.com/org/opencv/ml/StatModel.html#getVarCount()), [isClassifier](http://docs.google.com/org/opencv/ml/StatModel.html#isClassifier()), [isTrained](http://docs.google.com/org/opencv/ml/StatModel.html#isTrained()), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat)), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat,%20org.opencv.core.Mat)), [predict](http://docs.google.com/org/opencv/ml/StatModel.html#predict(org.opencv.core.Mat,%20org.opencv.core.Mat,%20int)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.core.Mat,%20int,%20org.opencv.core.Mat)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.ml.TrainData)), [train](http://docs.google.com/org/opencv/ml/StatModel.html#train(org.opencv.ml.TrainData,%20int))

### Methods inherited from class org.opencv.core.[**Algorithm**](http://docs.google.com/org/opencv/core/Algorithm.html)[clear](http://docs.google.com/org/opencv/core/Algorithm.html#clear()), [getDefaultName](http://docs.google.com/org/opencv/core/Algorithm.html#getDefaultName()), [getNativeObjAddr](http://docs.google.com/org/opencv/core/Algorithm.html#getNativeObjAddr()), [save](http://docs.google.com/org/opencv/core/Algorithm.html#save(java.lang.String))

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Method Detail

#### \_\_fromPtr\_\_ public static [ANN\_MLP\_ANNEAL](http://docs.google.com/org/opencv/ml/ANN_MLP_ANNEAL.html) \_\_fromPtr\_\_(long addr)

#### getAnnealCoolingRatio public double getAnnealCoolingRatio() SEE: setAnnealCoolingRatio**Overrides:** [getAnnealCoolingRatio](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getAnnealCoolingRatio()) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Returns:automatically generated

#### getAnnealFinalT public double getAnnealFinalT() SEE: setAnnealFinalT**Overrides:** [getAnnealFinalT](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getAnnealFinalT()) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Returns:automatically generated

#### getAnnealInitialT public double getAnnealInitialT() SEE: setAnnealInitialT**Overrides:** [getAnnealInitialT](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getAnnealInitialT()) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Returns:automatically generated

#### getAnnealItePerStep public int getAnnealItePerStep() SEE: setAnnealItePerStep**Overrides:** [getAnnealItePerStep](http://docs.google.com/org/opencv/ml/ANN_MLP.html#getAnnealItePerStep()) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Returns:automatically generated

#### setAnnealCoolingRatio public void setAnnealCoolingRatio(double val) getAnnealCoolingRatio SEE: getAnnealCoolingRatio**Overrides:** [setAnnealCoolingRatio](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setAnnealCoolingRatio(double)) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Parameters:val - automatically generated

#### setAnnealFinalT public void setAnnealFinalT(double val) getAnnealFinalT SEE: getAnnealFinalT**Overrides:** [setAnnealFinalT](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setAnnealFinalT(double)) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Parameters:val - automatically generated

#### setAnnealInitialT public void setAnnealInitialT(double val) getAnnealInitialT SEE: getAnnealInitialT**Overrides:** [setAnnealInitialT](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setAnnealInitialT(double)) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Parameters:val - automatically generated

#### setAnnealItePerStep public void setAnnealItePerStep(int val) getAnnealItePerStep SEE: getAnnealItePerStep**Overrides:** [setAnnealItePerStep](http://docs.google.com/org/opencv/ml/ANN_MLP.html#setAnnealItePerStep(int)) in class [ANN\_MLP](http://docs.google.com/org/opencv/ml/ANN_MLP.html) Parameters:val - automatically generated

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