|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | arhitektura | Param.ucenja | Aktiv funckije | Algoritam uycenja | Greska |
| 1 | 3 [20 15]2 2 | 0.01 | Logsig logsig | Trainlm | 4.75 \*10­­-4 |
| 2 | 3 [48 24]2 2 | 0.01 | Logsig logsig | Trainlm | 9.1845 |
| 3 | 3 [25 10]2 2 | 0.01 | Logsig logsig | Trainlm | 2.02 \*10-5 |
| 4 | 4 [25 15 10]2 3 | 0.01 | Logsig logsig logsig | Trainlm | 1.61 \* 10-4 |
| 5 | 3 [25 15]2 2 | 0.01 | Logsig logsig | Trainlm | 8.89\*10-5 |
| 6 | 3 [25 10]2 2 | 0.01 | Tribas tribas | Trainlm | 512.2092 |
| 7 | 3 [25 10]2 2 | 0.01 | hardlim hardlim | trainlm | 1081.3448 |
| 8 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainlm | 1189.8173 |
| 9 | 3 [25 10]2 2 | 0.01 | tansig tansig | Trainlm | 1.46\*10-4 |
| 10 | 3 [25 10]2 2 | 0.01 | netinv netinv | Trainlm | 1316.8503 |
| 11 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainoss | 54.3516 |
| 12 | 3 [25 10]2 2 | 0.01 | Logsig logsig | traincgp | 47.7975 |
| 13 | 3 [25 10]2 2 | 0.01 | Logsig logsig | traincgb | 107.9468 |
| 14 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainbfg | 668.0270 |
| 15 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainbr | 1.25\*10-5 |

Tabela 1. VNM za boje

Tabela 1. VNM za rotaciju

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | arhitektura | Param.ucenja | Aktiv funckije | Algoritam uycenja | Greska |
| 1 | 3 [20 15]2 2 | 0.01 | Logsig logsig | Trainlm | 4.75 \*10­­-4 |
| 2 | 3 [48 24]2 2 | 0.01 | Logsig logsig | Trainlm | 9.1845 |
| 3 | 3 [25 10]2 2 | 0.01 | Logsig logsig | Trainlm | 2.02 \*10-5 |
| 4 | 4 [25 15 10]2 3 | 0.01 | Logsig logsig logsig | Trainlm | 1.61 \* 10-4 |
| 5 | 3 [25 15]2 2 | 0.01 | Logsig logsig | Trainlm | 8.89\*10-5 |
| 6 | 3 [25 10]2 2 | 0.01 | Tribas tribas | Trainlm | 512.2092 |
| 7 | 3 [25 10]2 2 | 0.01 | hardlim hardlim | trainlm | 1081.3448 |
| 8 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainlm | 1189.8173 |
| 9 | 3 [25 10]2 2 | 0.01 | tansig tansig | Trainlm | 1.46\*10-4 |
| 10 | 3 [25 10]2 2 | 0.01 | netinv netinv | Trainlm | 1316.8503 |
| 11 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainoss | 54.3516 |
| 12 | 3 [25 10]2 2 | 0.01 | Logsig logsig | traincgp | 47.7975 |
| 13 | 3 [25 10]2 2 | 0.01 | Logsig logsig | traincgb | 107.9468 |
| 14 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainbfg | 668.0270 |
| 15 | 3 [25 10]2 2 | 0.01 | Logsig logsig | trainbr | 1.25\*10-5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | arhitektura | Param.ucenja | Aktiv funckije | Algoritam uycenja | Greska |
| 1 | 3 [20 15]2 2 | 0.01 | Logsig logsig | Trainlm | 151.205 |
| 2 | 3 [48 24]2 2 | 0.01 | Logsig logsig | Trainlm | 550.278 |
| 3 | 3 [25 10]2 2 | 0.01 | Logsig logsig | Trainlm | 1237.921 |
| 4 | 4 [25 15 10]2 3 | 0.01 | Logsig logsig logsig | Trainlm | 147.679 |
| 5 | 3 [25 15]2 2 | 0.01 | Logsig logsig | Trainlm | 374.583 |
| 6 | 3 [25 10]2 2 | 0.01 | Tribas tribas | Trainlm | 7755.935 |
| 7 | 3 [25 10]2 2 | 0.01 | hardlim hardlim | trainlm | 46371.343 |
| 8 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainlm | 2.888 |
| 9 | 3 [25 10]2 2 | 0.01 | purelin purelin | Trainlm | 840.954 |
| 10 | 3 [25 10]2 2 | 0.01 | purelin purelin | Trainlm | 39080.541 |
| 11 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainoss | 2.587 |
| 12 | 3 [25 10]2 2 | 0.01 | purelin purelin | traincgp | 2.973 |
| 13 | 3 [25 10]2 2 | 0.01 | purelin purelin | traincgb | 2.973 |
| 14 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainbfg | 2.675 |
| 15 | 3 [25 10]2 2 | 0.01 | purelin purelin | trainbr | 41.934 |