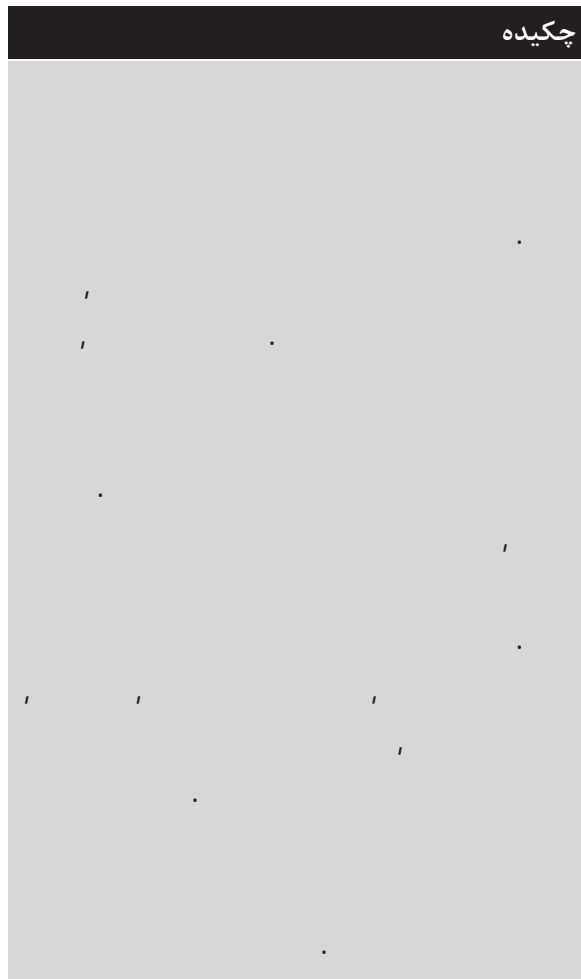


پژوهش نفت
سال بیستم
شماره ۶۱
صفحه ۵۷-۴۸، ۱۳۸۹

Ali.a.kak@gmail.com

چکیده



1. Cutting
2. Well Logs

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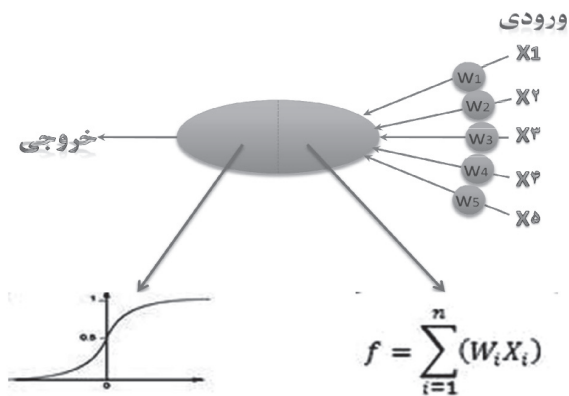
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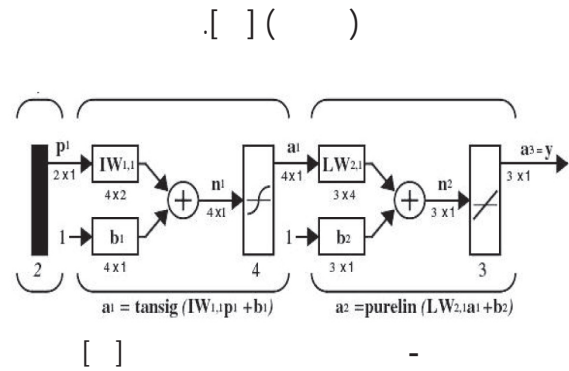
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1. Back-Propagation Neural Networks(BPNN)
2. Pattern Recognition
- 3 -Training
- 4 -Generalization
- 5 -Verification



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|-----------------------------------|-----------------------------|
| 1. Target Vectors | 6. Short Laterolog(LLS) |
| 2. Error Correcting Learning Rule | 7. Photoelectric Effect(PE) |
| 3. Gamma Ray(GR) | 8. Formation Density |
| 4. Neutron Porosity(NPHI) | 9. Delta-T(DT) |
| 5. Deep Laterolog(LLD) | |



(MATLAB.)

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$$M_{sereg} = \frac{1}{n} \sum_{i=1}^n (y_i - \hat{y}_i)^2 + \lambda \sum_{j=1}^p \beta_j^2$$

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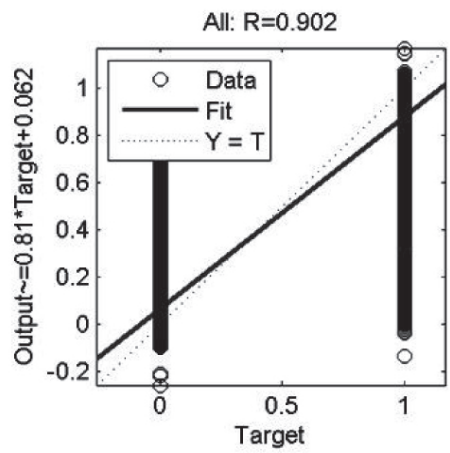
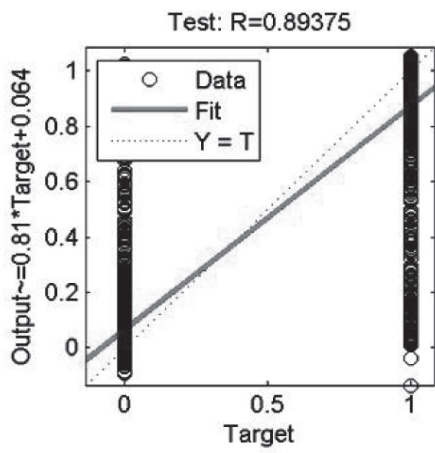
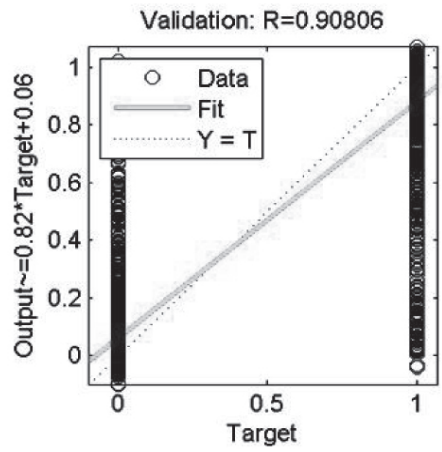
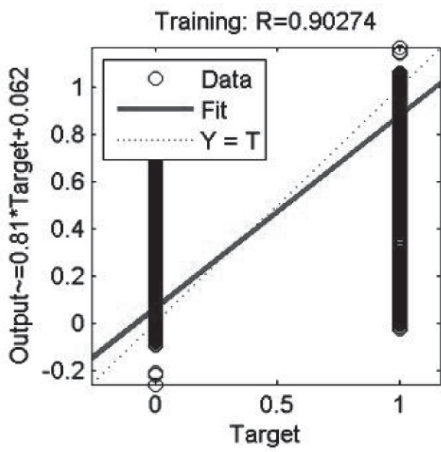
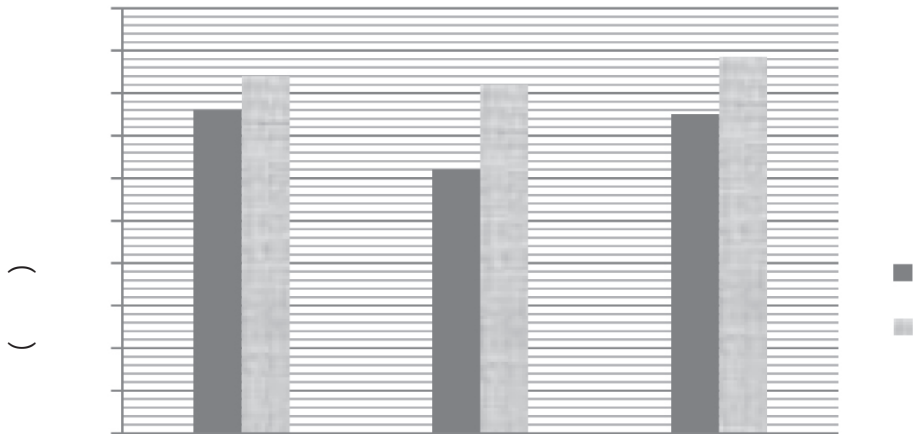
1. Msereg (Mean Square Error with regularization)
 2. Mse (Mean Square Error)

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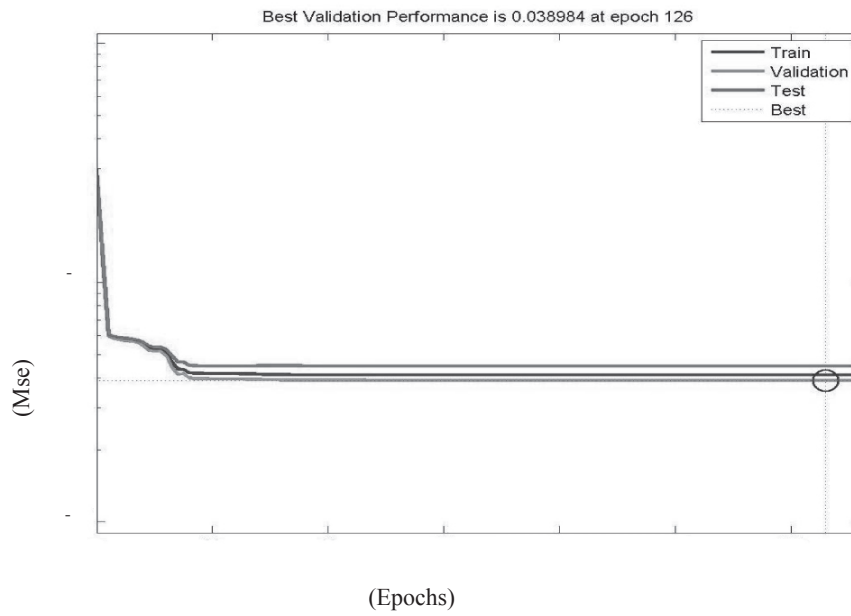
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:GR

:NPHI

:LLD

:LLS

:PEF

() :RHOZ

:DT

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