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**MODERNIZATION OF TRAINING OF FUTURE ENGINEERS FOR
OIL AND GAS INDUSTRY**

The expediency of improvement in training the future engineers for oil and gas industry by means of using the systematic approach for optimum planning, monitoring and analysing the experimental and industrial data and for statistical treatment of results with help of computer programs has been reviewed. The software for acquiring the exact physical and mathematical model, which takes into consideration the non-linearity and dynamical nature of operation processes of boreholes, has been developed.

Keywords: *systematic approach, mathematical model, statistical analysis, data analysis.*