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A study of gasoline flow through sand by changing the height, diameter and angle of cylindrical reservoir with respect to vertical

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In this work try to use different factors that effect on adsorption of gasoline from reservoirs. Study the effects of four inputs factors angles, diameter, bed's volume and height of reservoirs on adsorption of gasoline from reservoirs. Design a new mathematical model to evaluate all important parameters that effect on the system. Compare between experimental and theoretical results to reach to the high accuracy 97% that represents a new mathematical model. Then, make optimization to use this technique to find best optimum conditions.

Keywords: Gasoline, Mathematical model, Adsorption, Reservoir, Optimization

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