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# PLOTTING A RESOURCE–ENERGY CONVERSION EFFICIENCY COMPROMISE CURVE FOR A CENTRIFUGAL PUMP USING A SEARCH METHOD BASED ON SOBOL SEQUENCES

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## Abstract

We suggest plotting a compromise curve (Pareto frontier) to find the optimum ratio of frequency to axial clearance. We used a search method based on Sobol sequences to find the points constituting this curve

## Keywords

Centrifugal pump, blade, rotor, positive suction head, flow rate, mathematical model, hydraulic head, rotational speed of a pump

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