

Additionally, it was observed that model 4, defined by a wrap-around inlet and conical basin, was the most suitable basin since it provided better and more uniform velocity compared to the other models evaluated.

Furthermore, from the result analysis, it was evidenced that model 4 configuration provided the maximum tangential velocity, which is a relevant component to drive the turbine blade. This velocity was proportional to the power output. On the other hand, it is important to note that knowing the location of the highest velocity allow identifying the optimum point of a rotor installation, since a greater extraction of energy from the flow is possible at this point.

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