

# Research on Diameter Prediction of Silicon Single Crystal Based on Data Driven

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- In this paper, based on the long-term and massive crystal growth data of the crystal pulling workshop of the single crystal furnace, a crystal diameter prediction model based on the BP neural network is constructed.
- The model prediction results are verified by actual crystal pulling data, and the results show that for 6 groups of randomly selected crystal pulling data, the average relative percentage error is 0.08355%.

