Simple Bond-Graph Model To Predict Dried Material Temperature Evolution in A Batch Type Rotary Dryer

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Abstract	In this work, we model temperature evolution inside a batch type rotary dryer by using the bond-graph method. The evolution model proposed here is mainly developed to predict dried material temperature inside the dryer during drying process. We implement the model in the 20-SIM bond-graph simulator (Controllab Products, the Netherlands) which shows realistic behaviors of the dried material temperature evolution with different combustion scenarios and rotation speeds.
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