Initialization of the Radial Basis Function Network Using Localization Method
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In this paper, we use time-frequency localization analysis method to analyze the target function and the area of the target space. When we analyze the function with the time and frequency axis simultaneously, the characteristic of the function is shown more precisely and the area is covered by a certain block. After we analyze the target function in the time-frequency space, we can decide the activation functions and compose the hidden layer of the RBFN by choosing the radial basis function which can represent the characteristic of the target function. RBFN made by this method, designs the good structure proper to the target problem because we can decide the number of hidden node first.

Optimal scheduling of the paper mill process using two-step strategy method
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This paper presents the two-step strategy method of performing optimal scheduling of paper mill processes using MINLP (Mixed-Integer Non-Linear Programming) considering the trim loss problem in sheet cutting processes. The mathematical model for a sheet cutting process in the form of MINLP is developed in this study, and minimizing total cost is performed considering the cost of raw paper roll, changing cutting patterns, storage of over-product and recycling/burning trim. The paper has been used to deliver and conserve information for a long time, and it is needed to have various sizes and weights...