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Improvement of Longitudinal Fins Configuration in Latent Heat Storage Systems

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Highlights:

- The angle of longitudinal fins of a shell and tube heat exchanger is studied.
- Triple-fin and double-fin cases are simulated and compared for different angles.
- The upper fin of triple-fin cases doesn't affect the total melting time considerably.
- An optimum angle for the double-fin case is found which minimizes total melting time.

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