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Nonlinear and multiphysic evaluation of residual stresses in coils

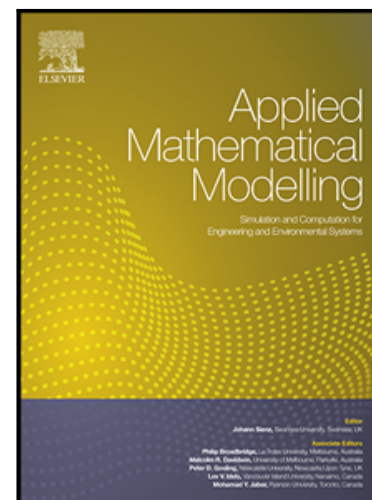
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Highlights

- Residual stress evaluation in coils due to plastic deformation, temperature variations and phase transitions
- Non-linear mixed analytical/numerical approach leading to reasonable computation times
- Contact pressures tend to decrease when the coil cools down which can lead to the unwinding of the coil if contact is lost

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