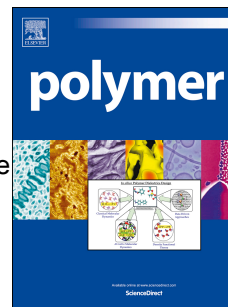


# Accepted Manuscript

Formulation and numerical implementation of tensile shape memory process of shape memory polymers

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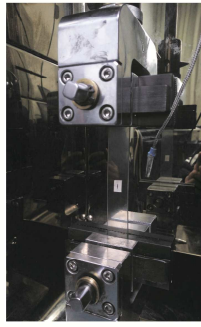
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**Neo-Hookean  
Hyperelastic  
Model**  
+  
**Linear  
Viscoelastic  
Model**  
+  
**Time  
Temperature  
Superposition**

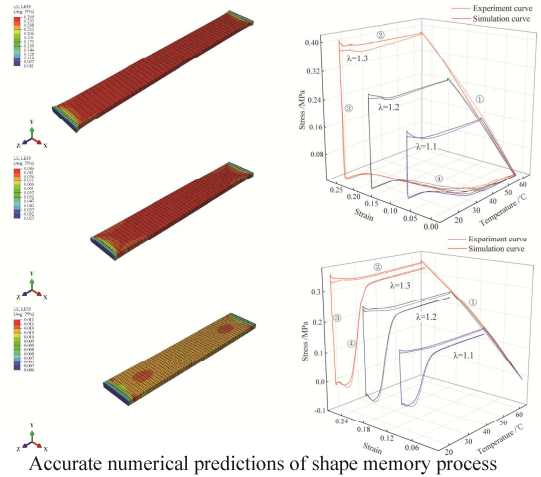
Derive the thermal  
hyper-viscoelastic  
constitutive model



Material parameters calibration  
by uniaxial tensile experiments

Numerical method  
implementation

FEM analysis by  
ABAQUS codes



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