

Supplementary Information

1. The glass transition width and its dependence on fragility, nonexponentiality and nonlinearity

This paper presents a comprehensive and critical analysis of the glass transition width ($1/T_g - 1/T_g'$) or $(\Delta T_g/T_g')$ observed in calculated Differential Scanning Calorimetry (DSC) heating and cooling scans. The study uses the Tool-Narayanaswamy-Moynihan model (TNM) for 24 diverse materials, encompassing inorganic glasses, organic polymers and molecular glassy systems (shown in Fig.S1 – Fig.S24). The analysis reveals that the width of the glass transition cooling scan does not depend on scanning rate and is inversely proportional to the activation energy, or fragility m , and the sum of the non-exponentiality β and nonlinearity x parameters: $[(h^*/R) \cdot (\beta+x)]^{-1}$ or $[m \cdot (\beta+x)]^{-1}$. The proportionality constant depends on the specific method used to determine T_g and T_g' values. Fig.S1 – Fig.S24 illustrate how these values are determined from the calculated DSC cooling curves (-10 K/min) for all material types listed in Table 1 (green lines). The determination of the limiting fictive temperature is illustrated using the subsequent heating curves at a rate of $+10$ K/min.

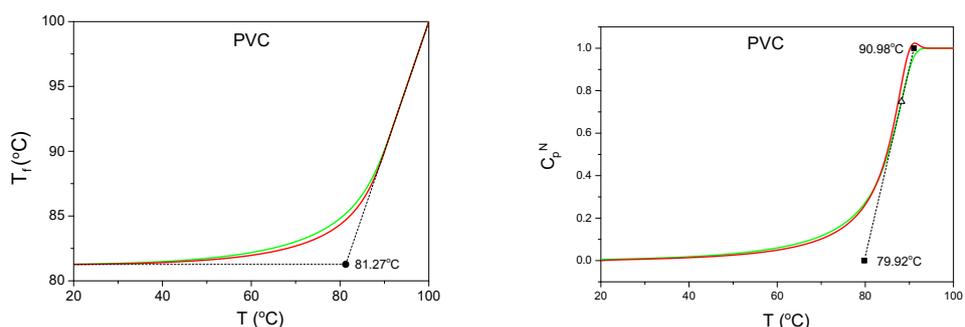


Fig.S1 The fictive temperature T_f and normalized heat capacity C_p^N calculated for poly(vinyl chloride).¹ The TNM parameters are listed in Table 1 and the temperature program is $T_{in}=100^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

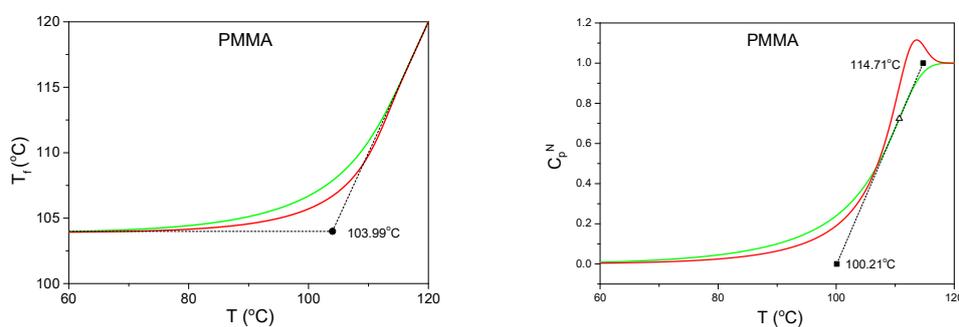


Fig.S2 The fictive temperature T_f and normalized heat capacity C_p^N calculated for poly(methyl methacrylate).¹ The TNM parameters are listed in Table 1 and the temperature program is $T_{in}=120^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

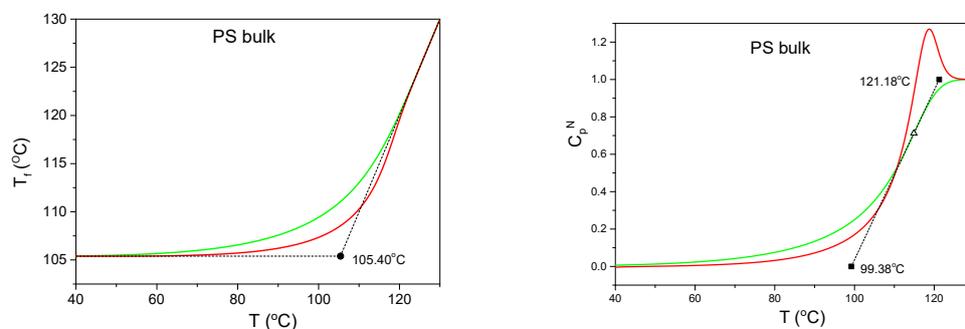


Fig.S3 The fictive temperature T_f and normalized heat capacity C_p^N calculated for bulk polystyrene.² The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=130^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection points on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

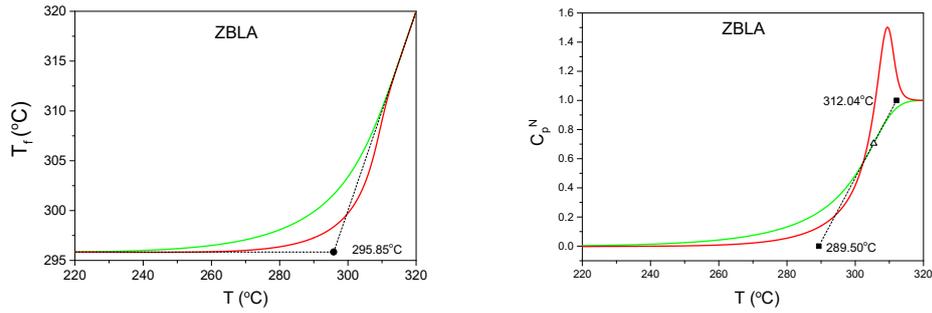


Fig.S4 The fictive temperature T_f and normalized heat capacity C_p^N calculated for ZBLAN fluoride glass ($58ZrF_4-33BaF_2-5LaF_3-4AlF_3$).³ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=320^\circ\text{C}$, $q_c = -10\text{ K/min}$ (green line), $q_h = +10\text{ K/min}$ (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

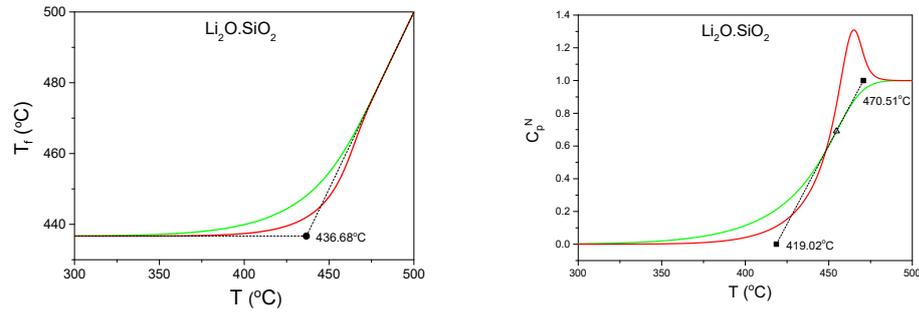


Fig.S5 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $Li_2O.SiO_2$ glass.⁴ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=500^\circ\text{C}$, $q_c = -10\text{ K/min}$ (green line), $q_h = +10\text{ K/min}$ (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

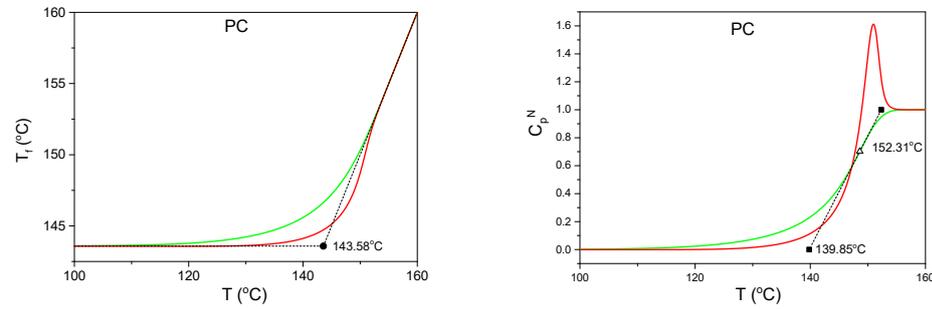


Fig.S6 The fictive temperature T_f and normalized heat capacity C_p^N calculated for polycarbonate.⁵ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=160^\circ\text{C}$, $q_c = -10\text{ K/min}$ (green line), $q_h = +10\text{ K/min}$ (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

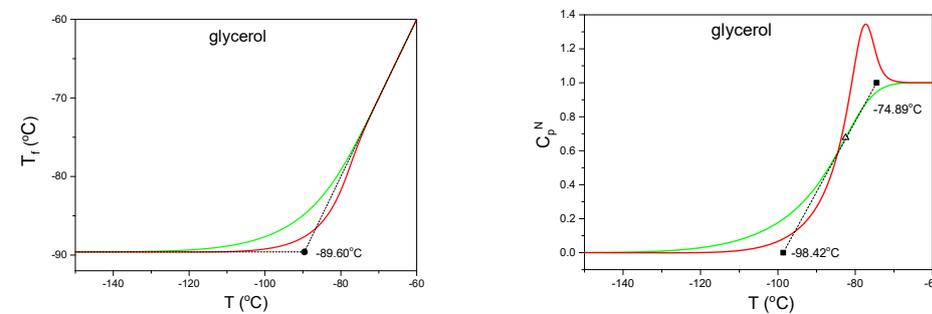


Fig.S7 The fictive temperature T_f and normalized heat capacity C_p^N calculated for glycerol.⁶ The TNM parameters are listed in Table 1, and the temperature program is $T_{in} = -60^\circ\text{C}$, $q_c = -10\text{ K/min}$ (green line), $q_h = +10\text{ K/min}$ (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

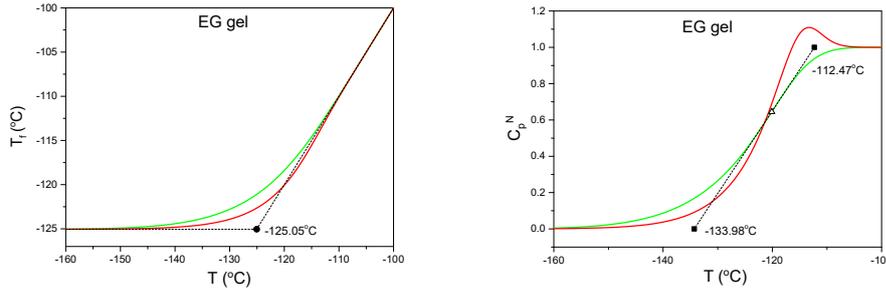


Fig.S8 The fictive temperature T_f and normalized heat capacity C_p^N calculated for ethylene glycol gel (22 mol.% in H_2O).³ The TNM parameters are listed in Table 1, and the temperature program is $T_{in} = -100^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

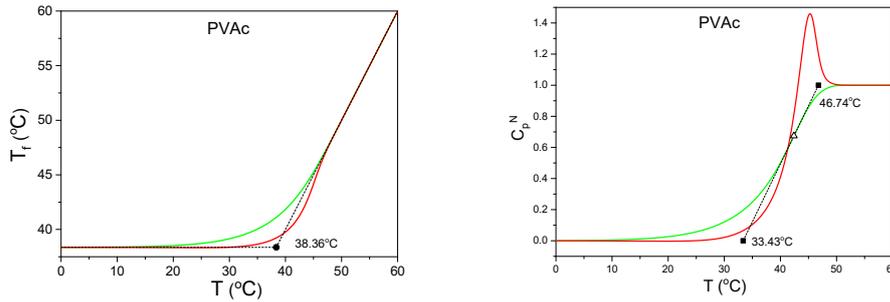


Fig.S9 The fictive temperature T_f and normalized heat capacity C_p^N calculated for poly(vinyl acetate).⁷ The TNM parameters are listed in Table 1, and the temperature program is $T_{in} = 60^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

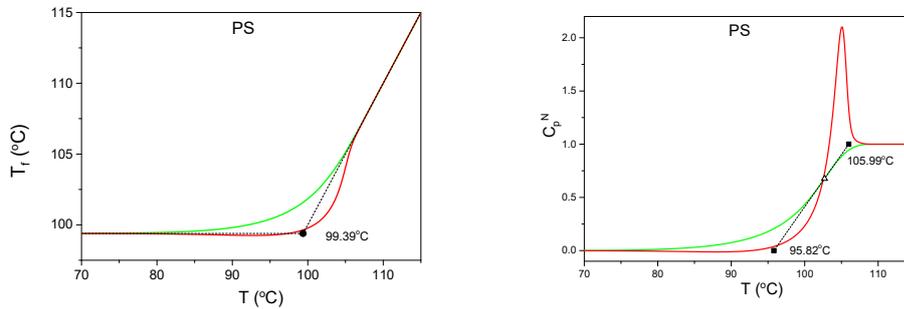


Fig.S10 The fictive temperature T_f and normalized heat capacity C_p^N calculated for polystyrene.⁸ The TNM parameters are listed in Table 1, and the temperature program is $T_{in} = 115^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

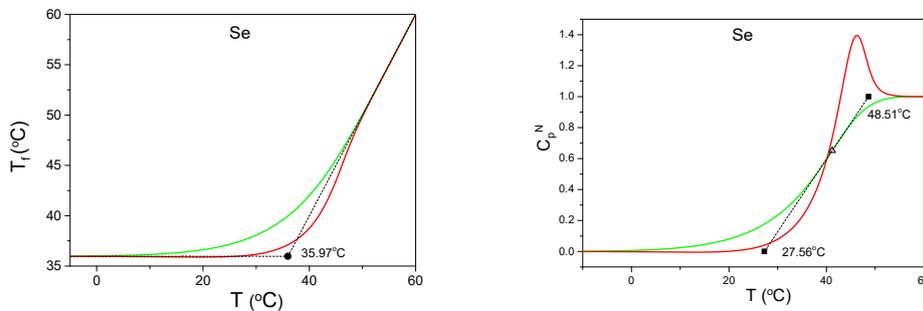


Fig.S11 The fictive temperature T_f and normalized heat capacity C_p^N calculated for glassy selenium.⁹ The TNM parameters are listed in Table 1, and the temperature program is $T_{in} = 60^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

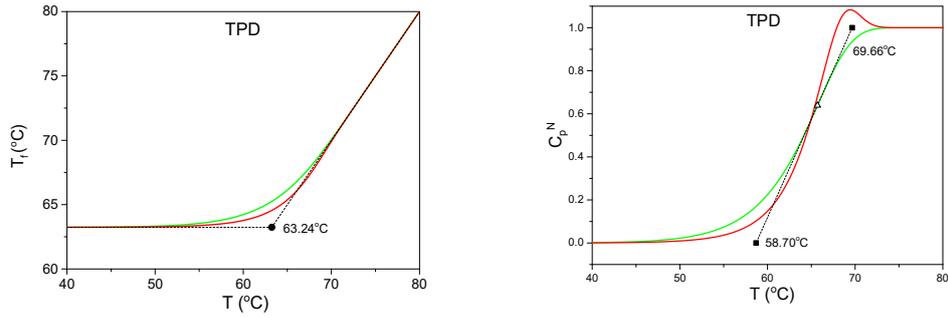


Fig.S12 The fictive temperature T_f and normalized heat capacity C_p^N calculated for bulk TPD.¹⁰ The TNM parameters are listed in Table 1, and the temperature program is $T_{ini} = 80^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

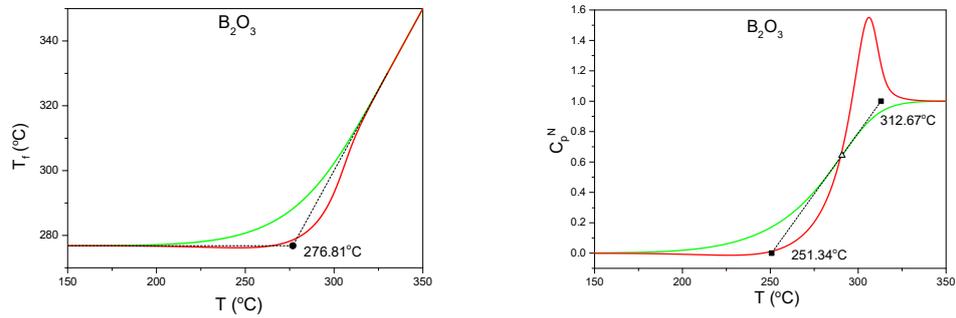


Fig.S13 The fictive temperature T_f and normalized heat capacity C_p^N calculated for B_2O_3 .¹¹ The TNM parameters are listed in Table 1, and the temperature program is $T_{ini} = 350^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

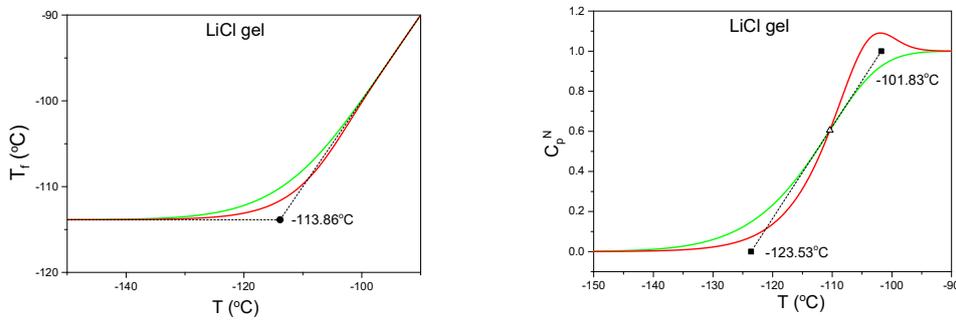


Fig.S14 The fictive temperature T_f and normalized heat capacity C_p^N calculated for LiCl gel.¹² The TNM parameters are listed in Table 1, and the temperature program is $T_{ini} = -90^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

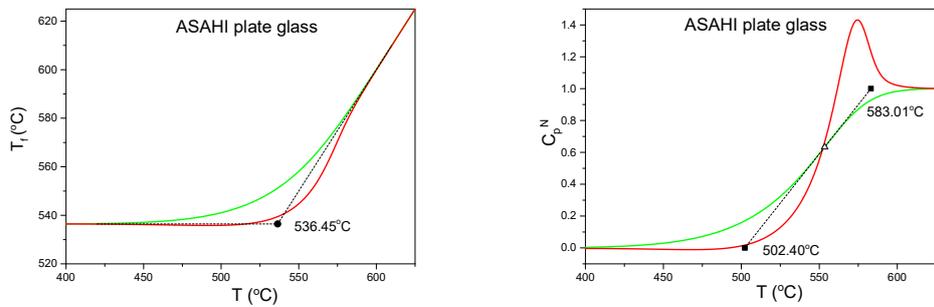


Fig.S15 The fictive temperature T_f and normalized heat capacity C_p^N calculated for ASAHI plate glass.¹³ The TNM parameters are listed in Table 1, and the temperature program is $T_{ini} = -625^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

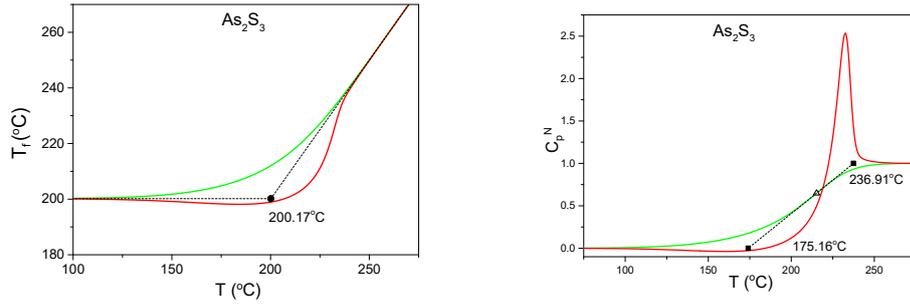


Fig.S16 The fictive temperature T_f and normalized heat capacity C_p^N calculated for As_2S_3 glass.¹⁴ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=275^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

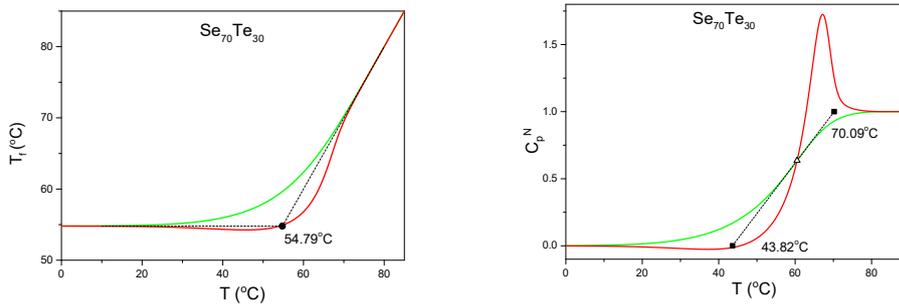


Fig.S17 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $Se_{70}Te_{30}$ glass.¹⁵ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=85^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

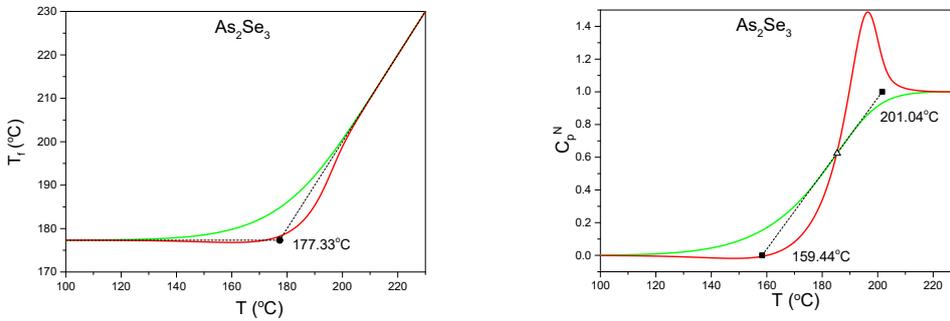


Fig.S18 The fictive temperature T_f and normalized heat capacity C_p^N calculated for As_2Se_3 glass.¹⁶ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=230^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

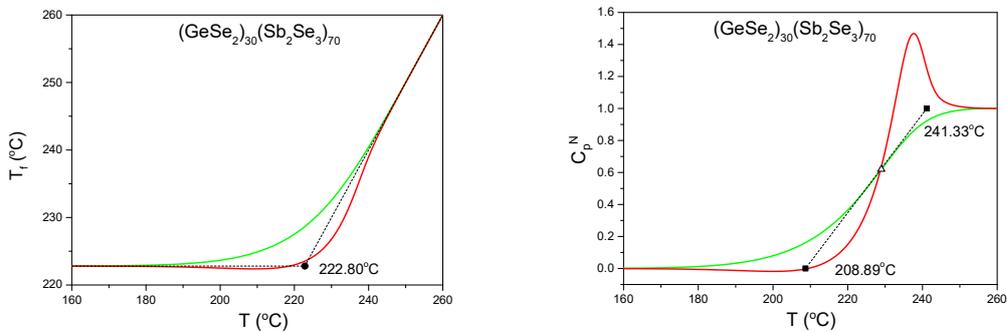


Fig.S19 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $(GeSe_2)_{30}(Sb_2Se_3)_{70}$ glass.¹⁷ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=260^\circ C$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

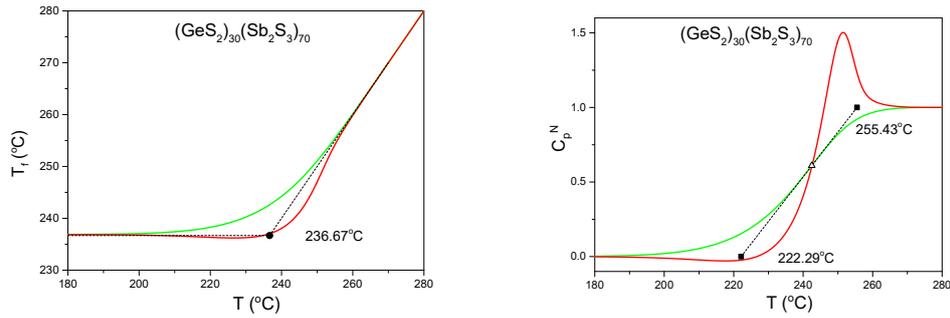


Fig.S20 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $(\text{GeS}_2)_{30}(\text{Sb}_2\text{S}_3)_{70}$ glass.¹⁹ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=280^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

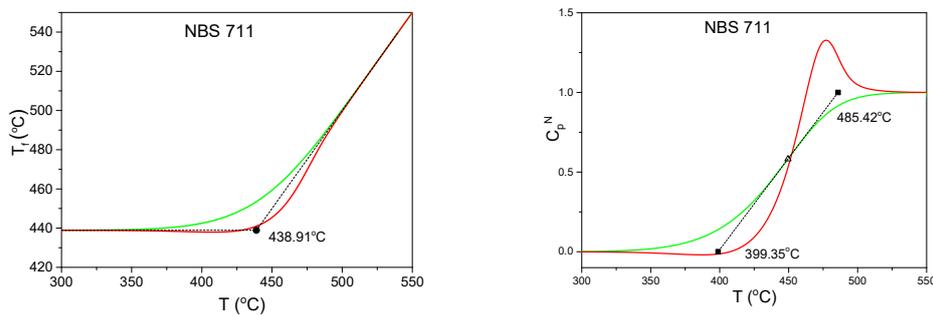


Fig.S21 The fictive temperature T_f and normalized heat capacity C_p^N calculated for NBS 711 glass.¹⁹ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=550^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

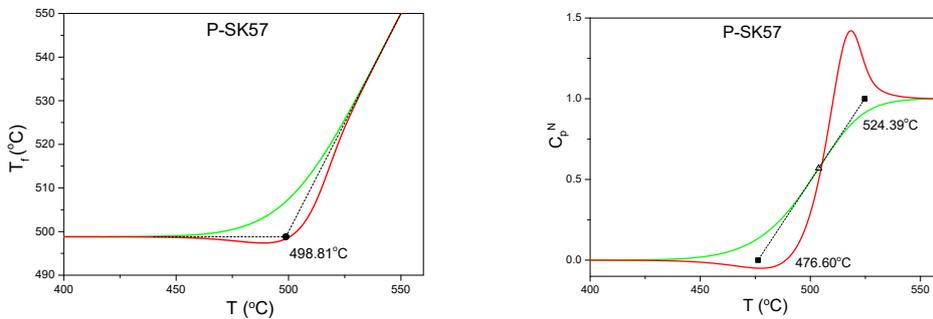


Fig.S22 The fictive temperature T_f and normalized heat capacity C_p^N calculated for P-SK57 glass.²⁰ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=560^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

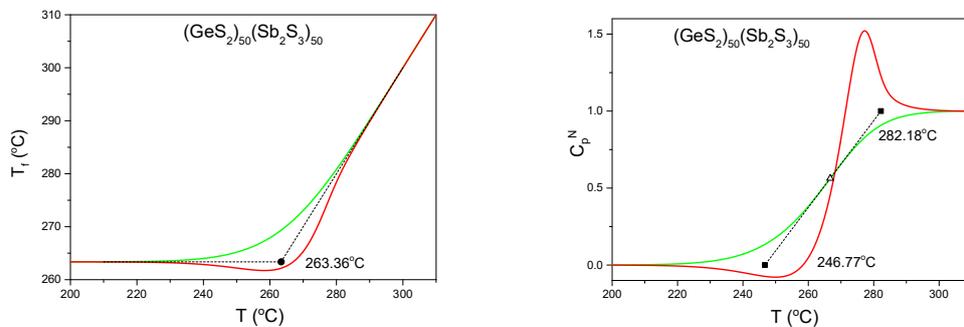


Fig.S23 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $(\text{GeS}_2)_{50}(\text{Sb}_2\text{S}_3)_{50}$ glass.²¹ The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=310^\circ\text{C}$, $q_c = -10$ K/min (green line), $q_h = +10$ K/min (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

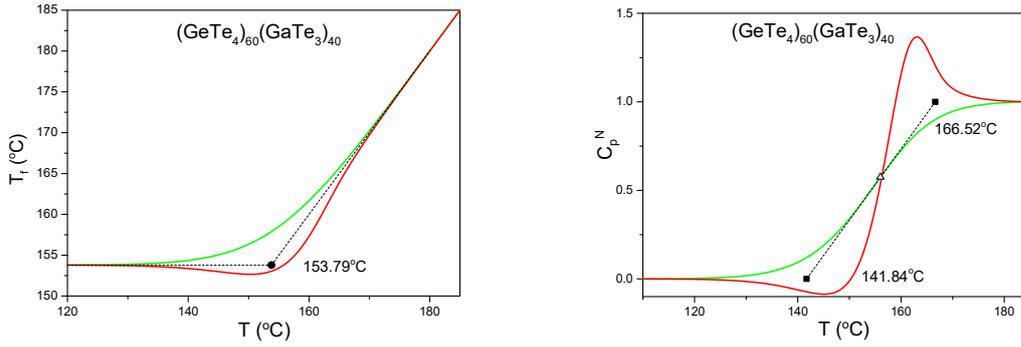


Fig.S24 The fictive temperature T_f and normalized heat capacity C_p^N calculated for $(\text{GeTe}_4)_{60}(\text{GaTe}_3)_{40}$ glass.²² The TNM parameters are listed in Table 1, and the temperature program is $T_{in}=185^\circ\text{C}$, $q_c = -10 \text{ K/min}$ (green line), $q_h = +10 \text{ K/min}$ (red line). Open triangle indicates inflection point on cooling curve. Full squares correspond to extrapolated inflectional tangent intersection with $dT_f/dT = 0$ and $dT_f/dT = 1$ defining T_g and T_g' , respectively. Full circle indicates limiting fictive temperature.

2. Covariance and correlation matrices for linear fits shown in Fig.2 – Fig.8

Fig.2b Glass transition width (eq 9) as a function of $[(h^*/R)\cdot\beta]^{-1}$.

Covariance matrix

	Intercept	Slope
Intercept	-	-
Slope	-	0.00399

Correlation matrix

	intercept	slope
intercept	-	-
slope	-	1

Fig.2c Reduced glass transition width (eq 10) as a function of $[m\cdot\beta]^{-1}$.

Covariance matrix

	Intercept	Slope
Intercept	-	-
Slope	-	0.00177

Correlation matrix

	intercept	slope
intercept	-	-
slope	-	1

Fig.3b Glass transition width (eq 12) as a function of $[(h^*/R)\cdot(\beta+x)]^{-1}$.

Covariance matrix

	Intercept	Slope
Intercept	-	-
Slope	-	0.02927

Correlation matrix

	intercept	slope
intercept	-	-
slope	-	1

Fig.3c Reduced glass transition width (eq 13) as a function of $[m\cdot(\beta+x)]^{-1}$.

Covariance matrix

	Intercept	Slope
Intercept	-	-
Slope	-	0.00559

Correlation matrix

	intercept	slope
intercept	-	-
slope	-	1

Fig.5a Glass transition width defined by eq (12).

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	-	-	-	-
Slope	-	0.00222	-	1

Fig.5b Reduced glass transition width defined by eq (13).

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	-	-	-	-
Slope	-	0.00096	-	1

Fig.6 Determination of the activation energy (h^*/R) and the glass transition width $\Delta(1000/T_g)_c$ using the cooling curves for PVC and As_2S_3 presented in Fig.5.

T_g for As_2S_3

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	0.0148	-0.00063	1	-0.99825
Slope	-0.00063	0.000272	-0.99825	1

T_g' for As_2S_3

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	0.0148	-0.00063	1	-0.99825
Slope	-0.00063	0.000272	-0.99825	1

T_g for PVC

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	5.39206	-1.86204	1	-0.99998
Slope	-1.86204	0.64305	-0.99998	1

T_g' for PVC

<u>Covariance matrix</u>			<u>Correlation matrix</u>	
	Intercept	Slope	intercept	slope
Intercept	5.27085	-1.90366	1	-0.99997
Slope	-1.90366	0.68758	-0.99997	1

Fig.7b Evaluation of $\ln|q_1|$ and $\ln|q_2|$ at $1000/T=2.4 K^{-1}$ based on the cooling curves presented in Fig.7a.

T_g

Covariance matrix

	Intercept	Slope
Intercept	0.01021	-0.0042
Slope	-0.0042	0.00173

Correlation matrix

	intercept	slope
intercept	1	-0.99896
slope	-0.99896	1

T_g'

Covariance matrix

	Intercept	Slope
Intercept	0.00178	-0.00075
Slope	-0.00075	0.000317

Correlation matrix

	intercept	slope
intercept	1	-0.99892
slope	-0.99892	1

Fig. 8a Dependence of the parameter E (calculated by eq 11 for data shown in Table 1) on $1/(\beta+x)$.

$z = 0.15$

Covariance matrix

	Intercept	Slope
Intercept	0.02498	-0.01859
Slope	-0.01859	0.01665

Correlation matrix

	intercept	slope
intercept	1	-0.91148
slope	-0.91148	1

$z = 0.30$

Covariance matrix

	Intercept	Slope
Intercept	0.00742	-0.00552
Slope	-0.00552	0.00495

Correlation matrix

	intercept	slope
intercept	1	-0.91148
slope	-0.91148	1

Fig. 8b Dependence of the parameter C (calculated by the eq 1) on $1/\beta$

Data in Table 1 (Ref. 1-22)

Covariance matrix

	Intercept	Slope
Intercept	0.1397	-0.06469
Slope	-0.06469	0.03413

Correlation matrix

	intercept	slope
intercept	1	-0.93683
slope	-0.93683	1

Chen et al. data (Ref. 23)

Covariance matrix

	Intercept	Slope
Intercept	0.3297	-0.18564
Slope	-0.18564	0.10629

Correlation matrix

	intercept	slope
intercept	1	-0.9926
slope	-0.9926	1

References

- 1 I. M. Hodge, Effects of Annealing and Prior History on Enthalpy Relaxation in Glassy Polymers. 6. Adam-Gibbs Formulation of Nonlinearity, *Macromolecules*, 1987, **20**, 2897-2908.
- 2 Y. Guo, C. Zhang, C. Lai, R. D. Priestley, M. D'Acunzi, G. Fytas, Structural Relaxation of Polymer Nanospheres under Soft and Hard Confinement: Isobaric versus Isochoric Conditions, *ACS Nano*, 2011, **5**, 5365-73.
- 3 I. M. Hodge, Enthalpy relaxation and recovery in amorphous materials, *J. Non-Cryst. Solids*, 1994, **169**, 211-66.
- 4 Y. Han, A. D'Amore, N. Nicolais, Analysis of Structural Relaxation in a $\text{Li}_2\text{O}\cdot 2\text{SiO}_2$ Glass using Rate Heating Approach, *J. Mater. Sci.*, 1999, **34**, 1899-1904.
- 5 I. M. Hodge, Effects of Annealing and Prior History on Enthalpy Relaxation in Glassy Polymers. 4. Comparison of Five Polymers, *Macromolecules*, 1983, **16**, 898-902.
- 6 S. L. Simon, G. B. McKenna, Interpretation of the dynamic heat capacity observed in glass-forming liquids, *J. Chem. Phys.*, 1997, **107**, 8678-85.
- 7 H. Sasabe, C. T. Moynihan, Structural Relaxation in Poly(vinyl Acetate), *J. Polym. Sci.*, 1978, **16**, 1447-57.
- 8 Y. P. Koh, S. L. Simon, Enthalpy Recovery of Polystyrene: Does a Long-Term Aging Plateau Exist? *Macromolecules*, 2013, **46**, 5815-21.
- 9 J. Málek, R. Svoboda, P. Pustková, P. Čičmanec, Volume and enthalpy relaxation of a-Se in the glass transition region, *J. Non-Cryst. Solids.*, 2009, **355**, 264-272.
- 10 J. Málek, R. Svoboda, Remarkable difference in structural relaxation dynamics of conventionally prepared bulk glass and vapor-deposited thin films, *J. Chem. Phys.*, 2024, **161**, 074507.
- 11 M. A. DeBolt, A. J. Easteal, P. B. Macedo, C. T. Moynihan, Analysis of Structural Relaxation in Glass Using Rate Heating Data, *J. Am. Ceram. Soc.*, 1976, **59**, 16-21.
- 12 I. M. Hodge, Enthalpy relaxation and recovery in amorphous materials, *J. Non-Cryst. Solids*, 1994, **169**, 211-66.
- 13 G. W. Scherer, Volume relaxation far from equilibrium, *J. Am. Ceram. Soc.*, 1986, **69**, 374-81.
- 14 J. Málek, Dilatometric study of structural relaxation in arsenic sulfide glass, *Thermochim. Acta*, 1998, **311**, 183-98.
- 15 R. Svoboda, P. Honcová, J. Málek, J. Enthalpic structural relaxation in Se-Te glassy system. *J. Non-Cryst. Solids*, 2011, **357**, 2163-9.
- 16 A. J. Easteal, J. A. Wilder, R. K. Mohr, C. T. Moynihan, Heat Capacity and Structural Relaxation of Enthalpy in As_2Se_3 Glass, *J. Am. Ceram. Soc.*, 1977, **60**, 134-8.
- 17 R. Svoboda, J. Málek, M. Liška, Correlation between the structure and structural relaxation data for $(\text{GeSe}_2)_y(\text{Sb}_2\text{Se}_3)_{1-y}$ glasses, *J. Non-Cryst. Solids*, 2019, **505**, 162-9.
- 18 R. Svoboda, J. Málek, M. Liška, Correlation between the structure and relaxation dynamics of $(\text{GeS}_2)_y(\text{Sb}_2\text{S}_3)_{1-y}$ glassy matrices, *J. Non-Cryst. Solids*, 2018, **479**, 113-9.
- 19 S. N. Crichton, C. T. Moynihan, Structural relaxation of lead silicate glass, *J. Non-Cryst. Solids*, 1988, **102**, 222-7.
- 20 S. Gaylord, B. Ananthasayanam, B. Tincher, L. Petit, C. Cox, U. Fotheringham, P. Joseph, K. Richardson, Thermal and Structural Property Characterization of Commercially Moldable Glasses, *J. Am. Ceram. Soc.*, 2010, **93**, 2207-14.
- 21 R. Svoboda, M. Fraenkel, B. Frumarová, T. Wágner, J. Málek, Thermokinetic behaviour of Ag-doped $(\text{GeS}_2)_{50}(\text{Sb}_2\text{S}_3)_{50}$ glasses, *J. Non-Cryst. Solids*, 2016, **449**, 12-9.
- 22 R. Svoboda, M. Setnička, Z. Zmrhalová, D. Brandová, J. Málek, Structural interpretation of the enthalpy relaxation kinetics of $(\text{GeTe}_4)_y(\text{GaTe}_3)_{1-y}$ far-infrared glasses, *J. Non-Cryst. Solids*, 2016, **447**, 110-6.
- 23 Z. Chen, L. Zhao, W. Tu, Z. Li, Y. Gao, L. Wang, Dependence of calorimetric glass transition profiles on relaxation dynamics in non-polymeric glass-formers, *J. Non-Cryst. Solids*, 2016, **433**, 20-27.