

# Reasons for the early inflection point of storage modulus

About Reasons for the early inflection point of storage modulus Because they have moved out of their original positions, they are able to follow a lower-energy pathway back to their starting point, a ...

Abstract Several models of inflection point inflation with the volume modulus as the inflaton are investigated. Non-perturbative superpotentials containing two gaugino condensation terms or one such term ...

For this and other reasons, It is desirable to have a direct measurement of the bulk modulus  $K$  or the plane-wave modulus  $M$  [4].  $K$  is that, from a theoretical standpoint, the bulk ...

Lithium-ion batteries occasionally experience sudden drops in capacity, and nonlinear degradation significantly curtails battery lifespan and poses risks to battery safety. However, methods ...

A micromechanically based continuum damage model for carbon black filled elastomers exhibiting Mullin's effect is extended to incorporate viscous response within the framework of a theory ...

The results indicate that the evolution of the elastic modulus over time is highly sensitive to variations in setting behavior. Notably, initial setting tends to correspond to the first ...

As shown in Figure 1, the  $T_g$ -onset value is determined from tangent lines associated with the initial slope of the storage modulus (at the point where there is a drop in modulus (2)) and a slope ...

The slightly decreasing storage modulus with temperature can be explained through the energy dissipation motions of polymer chains. When the temperature increases to the glass-transition ...

The presented overview of nonlinear rheological measures found in the literature has resulted in a series of definitions for generalized storage and loss moduli, each of which is equivalent to the ...

It has been recognized that the instrument design such as the instrument compliance, clamping effects, and instrument inertia can contribute to data variations in DMA instruments 1, 2. ...



## Reasons for the early inflection point of storage modulus

# Reasons for the early inflection point of storage modulus

