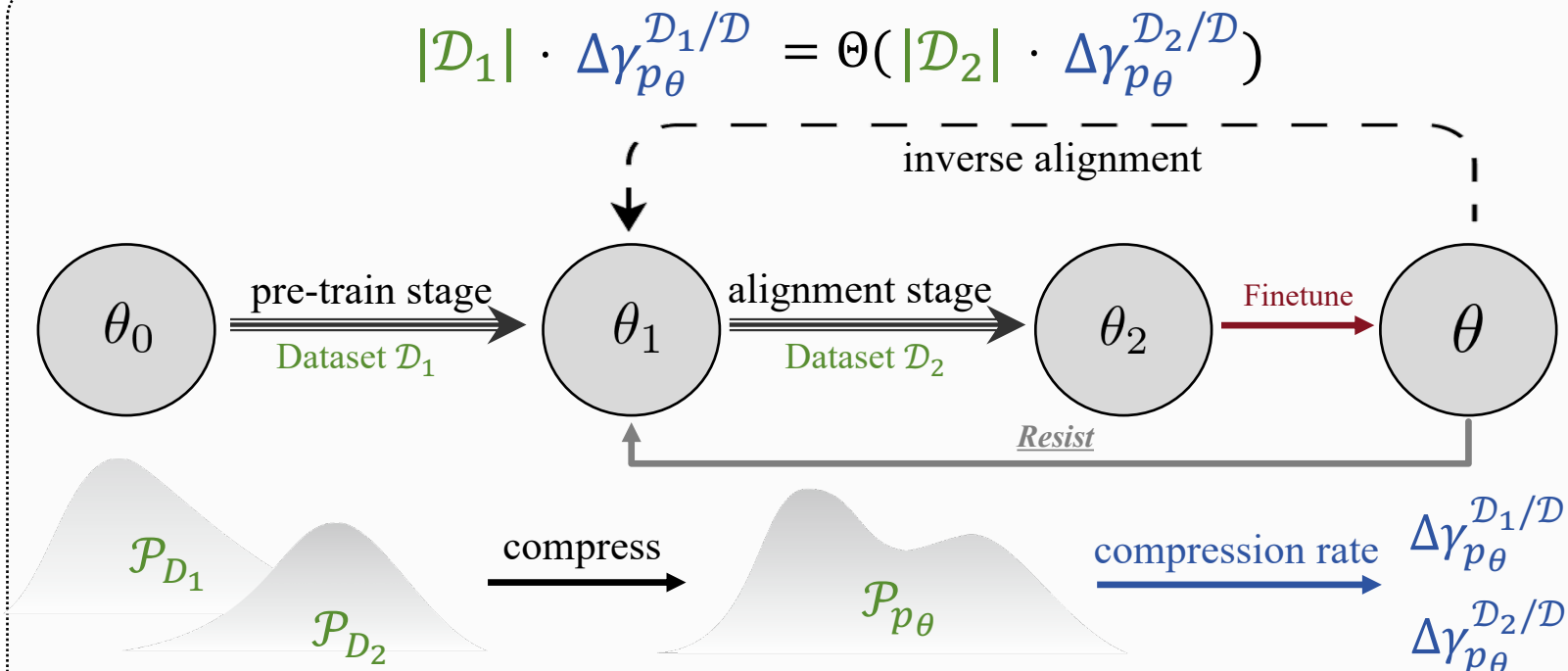


**Physical Model: The Hooke's Law**



## Our Contribution: The *Elasticity* of LLMs

Language models, fine-tuned with perturbations, exhibit an inverse relationship between **normalized compression rate changes** and **dataset volume**, akin to that of a series spring system, revealing the *elasticity* of LLMs.