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David Tong -- Lectures on Statistical Physics - DAMTP
Pressure-induced structure transitions occur at pressures of 2.3 -- 6.6 GPa, 8.5 GPa, and 17.7 GPa. The phase transition at 2.3 -- 6.6 GPa is related to the rotation of NH 2, and the latter two transitions are caused by both the rotation of NH 2 and the distortion of the heterocycle.

Pressure-induced phase transition of 1,5-diamino-1H ...
Understanding phase transitions and post-inflationary dynamics (preheating) requires powerful non-perturbative techniques in field theory, pre-eminently, real-time lattice field theory. For the foreseeable future, real-time lattice field theory means field theory in the classical approximation, which holds when temperatures and densities are high.

Science Overview -- COSMOS Supercomputer
Having heat exit a sample can result in the phase changing in the opposite direction: liquid to solid (freezing) or gas to liquid (condensing). What is interesting about phase changes is that they occur at a fixed temperature.

5.3. Heat Capacity and Phase Transitions - Physics LibreTexts
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The term phase transition is most commonly used to describe transitions between solid, liquid, and gaseous states of matter, as well as plasma in rare cases. A phase of a thermodynamic system and the states of matter have uniform physical properties. During a phase transition of a given medium, certain properties of the medium change, often discontinuously, as a result of the change of external conditions, such as temperature, pressure, or others. For example, a liquid may become gas upon heatin

Phase transition - Wikipedia
Pressure-induced phase transition of 1,5-diamino-1 H-tetrazole (DAT) under high pressure † . Cheng Jin ‡ a, Ying Liu ‡ b, Lijuan Wang a, Weijing Zhang c, Tonglai Zhang * c and Jinlong Zhu * ad a Center for High Pressure Science and Technology Advanced Research (HPSTAR), Beijing, 100094, China. E-mail: zhujl@sustech.edu.cn b Xi'an Modern Chemistry Research Institute, Xi'an, 710065, China c ...

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The dramatic increase in visible/infrared transmittance due to the phase transition from the metallic (lightly H-doped) to the insulating (heavily H-doped) phase results in an increased solar energy regulation ability up to 26.5%, while maintaining 70.8% visible luminous transmittance.

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(5) M = 2fjy . 1 + 4U - texp . 2fj - 3* + 1 - jf+47j . It . should be noted that the second-order phase transition (SOPT) limit, which is obtained by . fI - 0, gives back the usual value (fI)2 = 112. We now consider strings, i.e., linear topological defects present at the phase transition occurring in the model (1).