



MathsNET

A joined up approach to
teaching and learning
mathematics

Maxwell Relations

- Explain the steps in the derivation of the Maxwell relation shown in the video in your own words
- Follow the steps you have just outlined to derive a Maxwell relation starting from an expression involving infinitesimal changes in the enthalpy
- Follow the steps you have just outlined to derive a Maxwell relation starting from an expression involving infinitesimal changes in the Helmholtz free energy
- Follow the steps you have just outlined to derive a Maxwell relation starting from an expression involving infinitesimal changes in the Gibbs free energy.