

static stability

In meteorology, the stability of the atmosphere in the vertical direction to vertical displacements. If Γ is the dry adiabatic lapse rate, dry air is stable if the lapse rate $(-dT/dz) < \Gamma$, unstable if $(-dT/dz) > \Gamma$ and neutral if $(-dT/dz) = \Gamma$.

See *[lapse rate](#)*, *[inversion](#)*.

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