minimum density of states criterion

This is a criterion used in Rice–Ramsperger–Kassel–Marcus (RRKM) theory for locating the transition state. The reaction coordinate r at the transition state, according to this criterion, is given by $\frac{\partial(N(\varepsilon_r))}{\partial r} = 0$, where $N(\varepsilon_r)$ is the density of states at an internal energy ε_r.

Source:
PAC, 1996, *68*, 149 *(A glossary of terms used in chemical kinetics, including reaction dynamics (IUPAC Recommendations 1996))* on page 174