$$P(x) \propto \exp(-E(x)/T) \textbf{ + Constraint } \rightarrow \textbf{ Result}$$

Problem	Energy E(x)	Constraint	Result
Poincaré	$\int R\, dV$	$\pi_1(M) = \{e\}$	$M \cong S^3$
Riemann	$\lvert \mathrm{Re}(\rho) - 1/2 \rvert^2$	$\xi(s) = \xi(1-s)$	$\mathrm{Re}(\rho) = 1/2$
Yang-Mills	$S[A] = \frac{1}{4g^2}\int \mathrm{tr}(F^2)$	G compact	$\Delta > 0$
Navier-Stokes	$\lVert \omega \rVert^2$ (enstrophy)	$\nu > 0$	Regularity
Hodge	$\lVert \omega - \pi(\omega) \rVert^2$	X projective	Algebraic
BSD	$\hat{h}(P)$ (height)	E modular	ord = rank
P ≠ NP	violations	$T > T_c$	$\exp(\Omega(n))$ time