Ensemble	Micro-canonical	Canonical	NE micro-canonical	Meta-canonical
Potential	$s = -\sum_x p_x \ln p_x$	$\varphi = -\ln \langle \exp(-\beta_1 e[z]) \rangle_{\mathbf{k}}$	$L(j, f, p)$	$\Gamma(a, b, m)$
Variational principle	max	min	max	max
Free variables	β_1	e	$a,\ b,\ m$	$j,\ f,\ p$
Constrained variables	e	β_1	$j,\ f\ ,\ p$	$a,\ b,\ m$
Physical system subspace	—	—	$m(j, f, p) = c\big(a(j, f, p), b(j, f, p)\big)$	$m = c(a, b)$
No dilatation space	—	—	$b(j, f, p) = 2a(j, f, p)$	$b = 2a$
Legendre structure	$s + \varphi = \beta_1 e$		$L + \Gamma = a^\dagger \cdot j + b^\dagger \cdot f + m^\dagger \cdot p$	