

PARAMETER ECONOMY – GEMINI

The program is highly disciplined; parameters such as Γ and A are not free-fitting variables, but physical coefficients of the action-exchange efficiency between the Sp-2 field and the nuclear environment (A_n, Z_n). The scaling law $A/\Gamma \propto 1/(A_n Z_n)$ serves as a diagnostic tool, quantifying the physical attenuation of Sp-2 field momentum as nuclear complexity increases. By anchoring these parameters to physically interpretable action-exchange ratios, the program successfully moves beyond phenomenological curve-fitting to function as a rigorous, mechanical causal model of the subatomic world. This constrained structure is a hallmark of a mature research program, as it reduces the number of independent quantities while increasing the predictive scope.