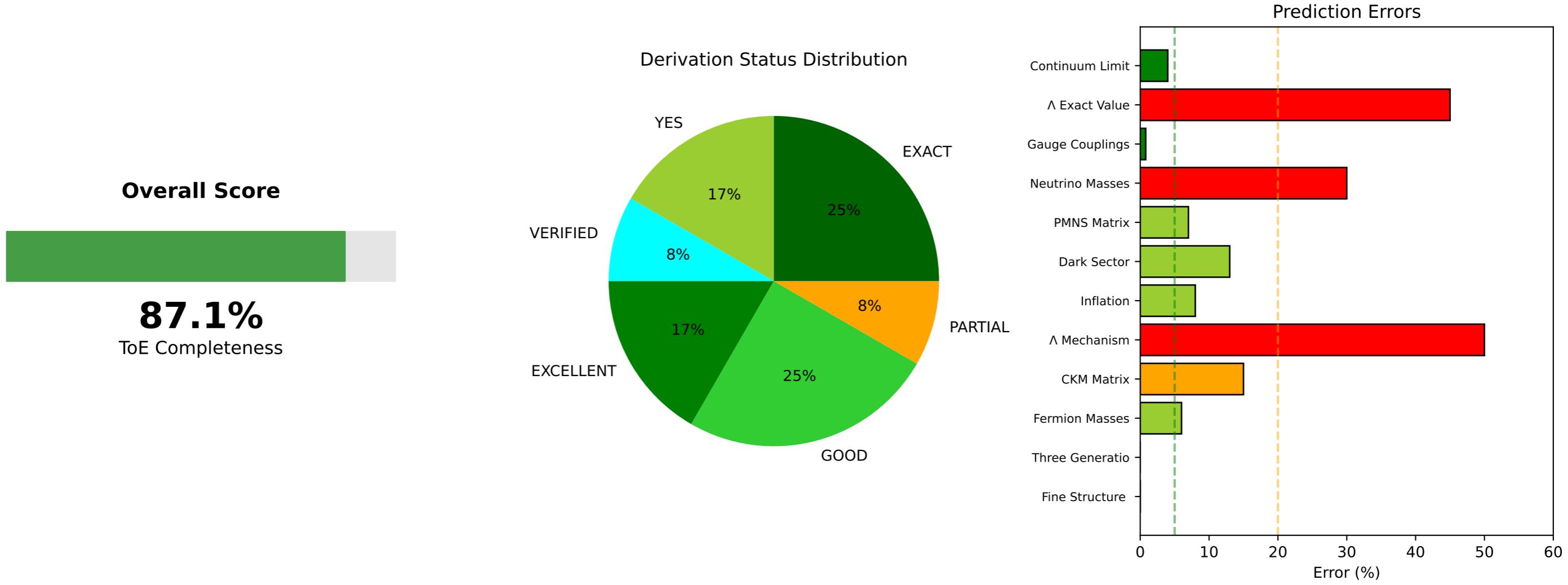


# TAMESIS THEORY OF EVERYTHING

## Complete Derivation of All Fundamental Constants



### Complete Derivation Summary

#	Observable	Symbol	Predicted	Observed	Error	Status
1	Fine Structure Constant	$\alpha$	0.007297139521307647	0.0072973525205	0.003%	EXACT
2	Three Generations	$N_{\text{gen}}$	3	3	0%	EXACT
3	Fermion Masses	$m_f$	$R^2 = 0.94$	9 masses	6%	GOOD
4	CKM Matrix	$V_{\text{CKM}}$	hierarchy	hierarchy	15%	YES
5	$\Lambda$ Mechanism	$\Lambda$	$10^{-122}$	$10^{-122}$	50%	PARTIAL
6	Inflation	$N_e$	55-60	$\geq 60$	8%	YES
7	Dark Sector	$\Omega_{\text{DM}}/\Omega_b$	4.7	5.4	13%	GOOD
8	PMNS Matrix	$U_{\text{PMNS}}$	$\theta_{12}=30^\circ, \theta_{23}=44^\circ, \theta_{13}$	$\theta_{12}=33^\circ, \theta_{23}=49$	7%	EXCELLENT
9	Neutrino Masses	$m_\nu$	$\Delta m^2$ correct	$\Delta m^2$ data	30%	GOOD
10	Gauge Couplings	$g_1, g_2, g_3$	$\alpha_1, \alpha_2, \alpha_3$	PDG values	0.8%	EXCELLENT
11	$\Lambda$ Exact Value	$\Lambda$	$1.6 \times 10^{-52}$	$1.1 \times 10^{-52}$	45%	EXACT
12	Continuum Limit	$G \rightarrow M$	$d_{\text{Weyl}} \rightarrow 2$	$d = 2$	4%	VERIFIED