

Consecutive Fibonacci Roles in IHC

$F_1 = 1$	
$F_2 = 1$	
$F_3 = 2$	
$F_4 = 3$	
$F_5 = 5$	$\rightarrow d(S^4, 1)$: ambient \mathbb{R}^5 dims
$F_6 = 8$	
$F_7 = 13$	
$F_8 = 21$	
$F_9 = 34$	
$F_{10} = 55$	$\rightarrow d(S^4, 4)$: gives $M = F_{10}/F_5 = 11$
$F_{11} = 89$	$\rightarrow \beta_{\text{vac}} = 3 \times 5 \times F_{11}$: Planck scale
$F_{12} = 144$	$\rightarrow F_{12} = 24 \times 22$: Fibonacci bridge

Three consecutive roles: $F_5 \rightarrow F_{10} \rightarrow F_{11} \rightarrow F_{12}$

The Zero-Parameter Vacuum Energy Formula

$$S = \frac{\varphi^{-2\Delta k} \times \xi^2 \times 2^2}{3^2 \times 5 \times F_{11} \times M}$$
$$= \frac{\varphi^{-2\Delta k} \times \xi^2 \times 4}{44055}$$
$$= 1.1407e-123$$

$\varphi^{-2\Delta k}$	Horn volume suppression	1.169e-119
$\xi^2 = 1.0747$	Topological correction	$\mathbb{R}P^4$ geometry
$2^2 = 4$	$N/4$ (4 spatial dims)	numerator
$3^2 = 9$	$N = 3M, \mathbb{Z}_3^2$	denominator
$5 = F_5$	\mathbb{R}^5 ambient	denominator
$F_{11} = 89$	Planck Fibonacci step	denominator
$M = 11$	F_{10}/F_5 Hopf	denominator

Result: $S = 1.1407e-123$ Observed: $S = 1.1403e-123$ Error: 0.034\%