Test 3: Parametric Configuration Comparison

Method Rankings

Method	Avg Bound Ratio	Avg Time (s)	Success Rate
Ogita	1.000	8.2394	100%
Miyajima	1.000	0.0177	100%
V2.5	1435917842122788608.000	0.0042	100%
V3	1436308056572621056.000	0.0040	100%
V2	1436308056572621056.000	0.0046	100%
V1	1440674083456231936.000	0.3774	100%

Certified Bounds at $\nu = 1.0$

Method	$n = 30$	$n = 50$	$n = 70$	$n = 100$
Miyajima	7.80e+01	1.67e+02	6.02e+01	3.73e+01
Ogita	7.80e+01	1.67e+02	6.02e+01	3.73e+01
V1	2.80e+09	7.42e+10	2.63e+10	6.42e+09
V2	2.80e+09	7.42e+10	2.63e+10	6.42e+09
V2.5	2.80e+09	7.42e+10	2.63e+10	6.42e+09
V3	2.80e+09	7.42e+10	2.63e+10	6.42e+09

Timing at $\nu = 1.0$ (seconds)

Method	$n = 30$	$n = 50$	$n = 70$	$n = 100$
Miyajima	0.001	0.004	0.006	0.088
Ogita	0.534	2.393	6.794	23.339
V1	0.001	0.002	0.004	0.011
V2	0.001	0.002	0.003	0.014
V2.5	0.001	0.002	0.003	0.012
V3	0.001	0.002	0.003	0.011

Timing Scaling with Matrix Size