

Figure 1: Timing for  $t = 2^1$  across  $n$  values.

$\log n$	$\log t$	1	2	3	4	5	6	7	8	9	10
1	✓	0.03	0.04	0.05	0.07	0.10	0.16	0.23	0.36	0.60	1.04
	✗	0.01	0.01	0.02	0.02	0.04	0.06	0.09	0.15	0.28	0.55
2	✓	0.05	0.06	0.07	0.10	0.16	0.22	0.35	0.53	0.97	1.51
	✗	0.01	0.02	0.02	0.03	0.05	0.08	0.13	0.23	0.42	0.81
3	✓	0.06	0.08	0.11	0.16	0.22	0.32	0.51	1.06	1.45	2.67
	✗	0.02	0.03	0.03	0.05	0.08	0.12	0.21	0.38	0.70	1.41
4	✓	0.09	0.12	0.17	0.23	0.33	0.49	0.88	1.94	3.14	5.52
	✗	0.03	0.04	0.05	0.08	0.12	0.20	0.35	0.66	1.28	2.55
5	✓	0.13	0.18	0.24	0.34	0.54	1.02	1.69	3.83	5.99	12.36
	✗	0.04	0.06	0.08	0.13	0.20	0.35	0.62	1.23	2.43	4.87
6	✓	0.21	0.28	0.38	0.59	1.13	1.90	3.82	6.69	13.81	25.12
	✗	0.06	0.09	0.13	0.21	0.35	0.64	1.23	2.44	4.78	10.48
7	✓	0.34	0.45	0.66	1.19	1.97	3.86	6.73	13.96	25.65	53.55
	✗	0.11	0.15	0.23	0.37	0.65	1.25	2.44	4.80	10.23	23.63
8	✓	0.51	0.73	1.22	2.04	3.91	6.76	14.00	25.50	53.88	100.44
	✗	0.18	0.26	0.40	0.67	1.25	2.47	4.82	10.27	23.62	46.32

Table 1: Prover times (in seconds). The rows with a ✓ indicate measurements with the PCS enabled, while the rows with a ✗ indicate measurements without the PCS.

$\log n$	$\log t$	1	2	3	4	5	6	7	8	9	10
1		89	95	99	101	108	110	116	117	123	126
2		106	110	112	118	120	124	126	133	136	139
3		115	116	123	125	128	132	138	140	142	145
4		119	125	129	134	135	141	142	146	148	154
5		130	132	136	139	144	147	150	152	156	158
6		139	141	145	151	154	155	158	162	165	167
7		146	148	154	157	159	161	166	169	169	173
8		150	156	159	161	164	168	171	172	174	178

Table 2: Proof sizes (in kB).

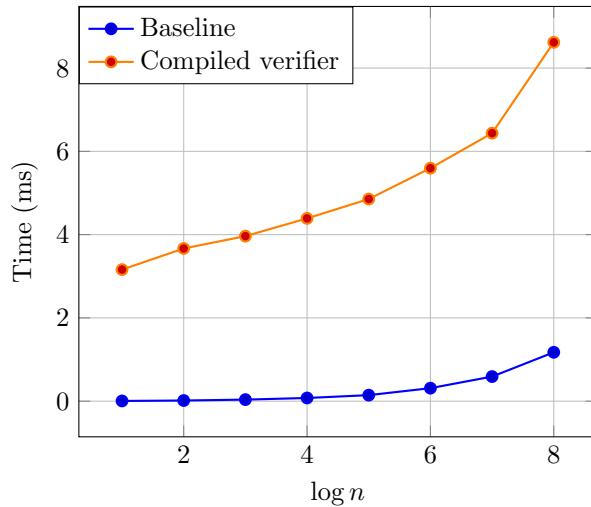


Figure 2: Timing for  $t = 2^2$  across  $n$  values.

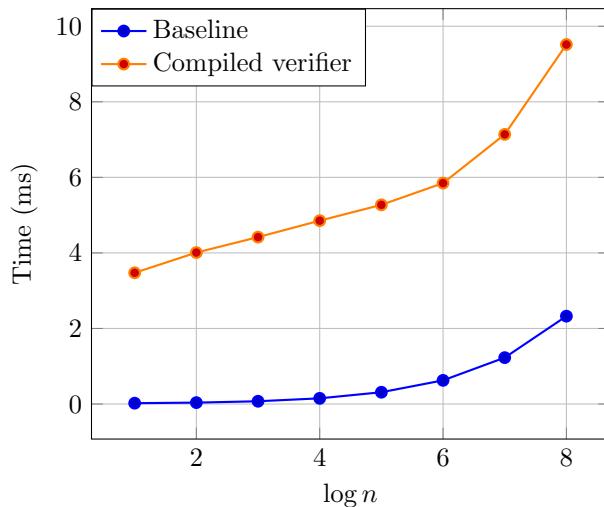


Figure 3: Timing for  $t = 2^3$  across  $n$  values.

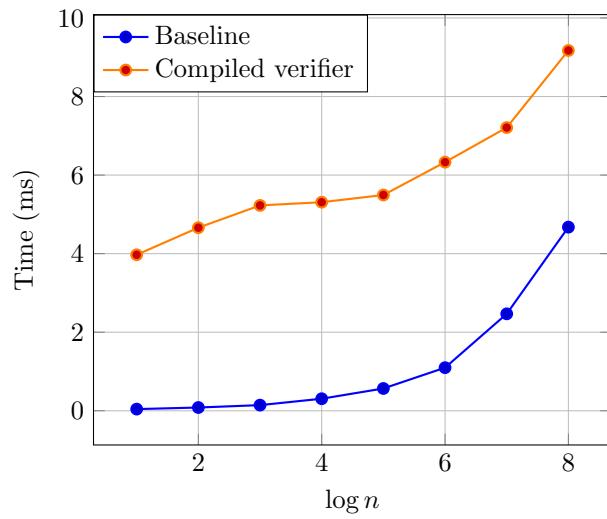


Figure 4: Timing for  $t = 2^4$  across  $n$  values.

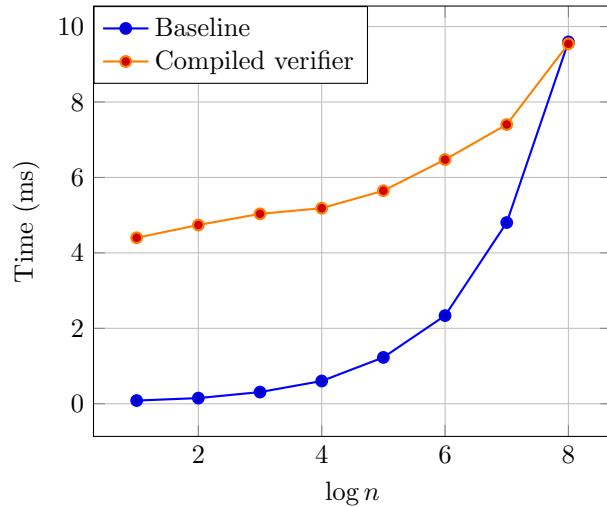


Figure 5: Timing for  $t = 2^5$  across  $n$  values.

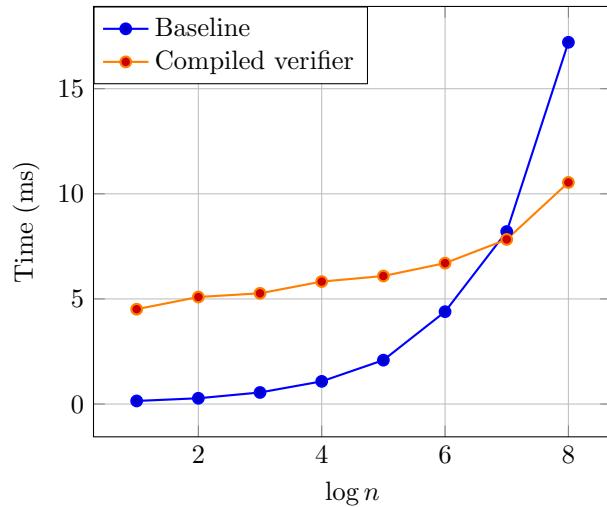


Figure 6: Timing for  $t = 2^6$  across  $n$  values.

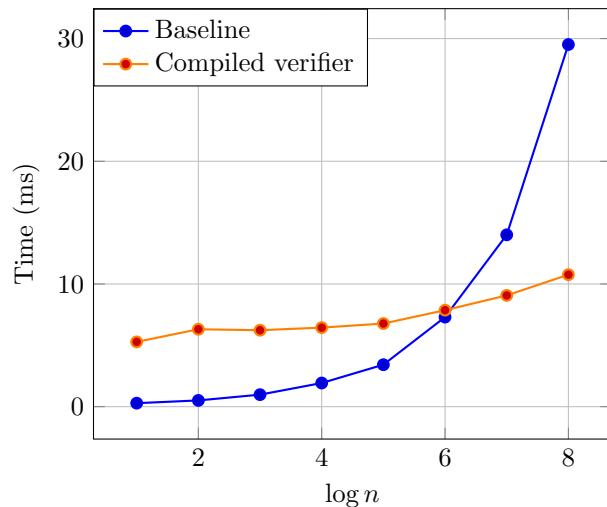


Figure 7: Timing for  $t = 2^7$  across  $n$  values.

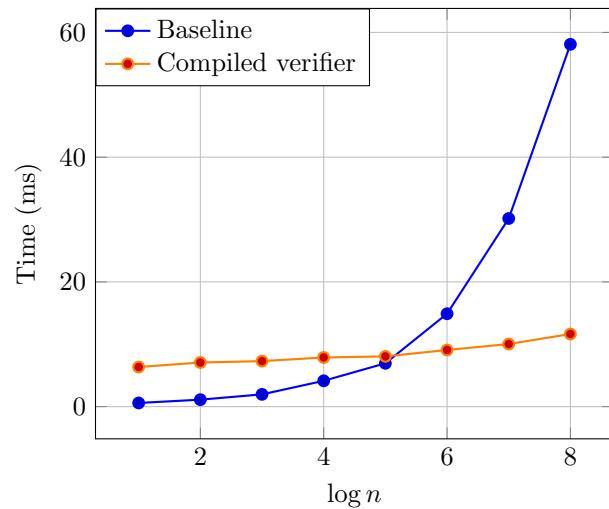


Figure 8: Timing for  $t = 2^8$  across  $n$  values.

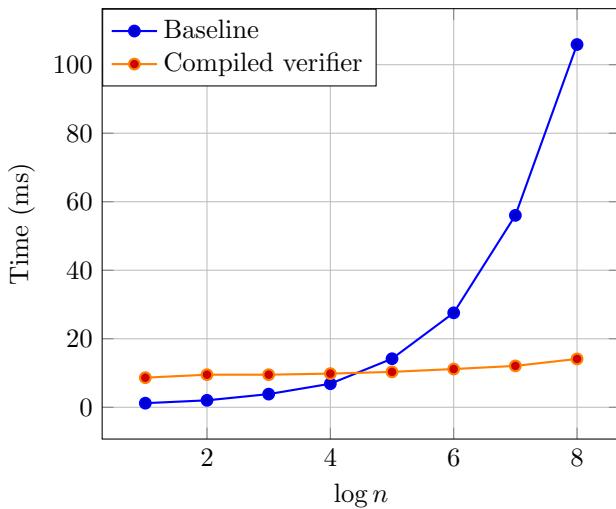


Figure 9: Timing for  $t = 2^9$  across  $n$  values.

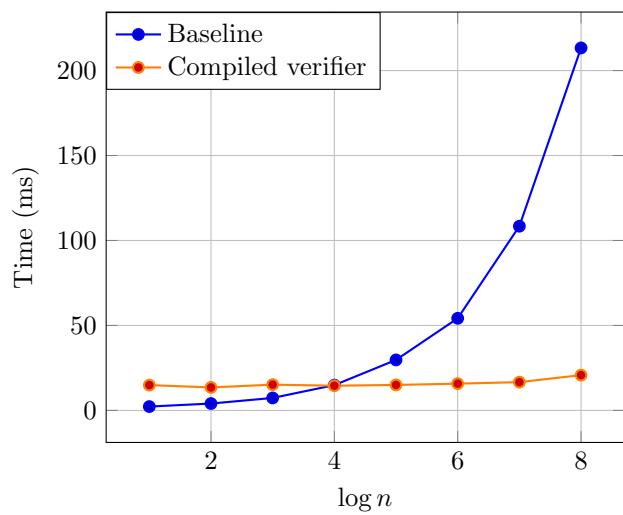


Figure 10: Timing for  $t = 2^{10}$  across  $n$  values.