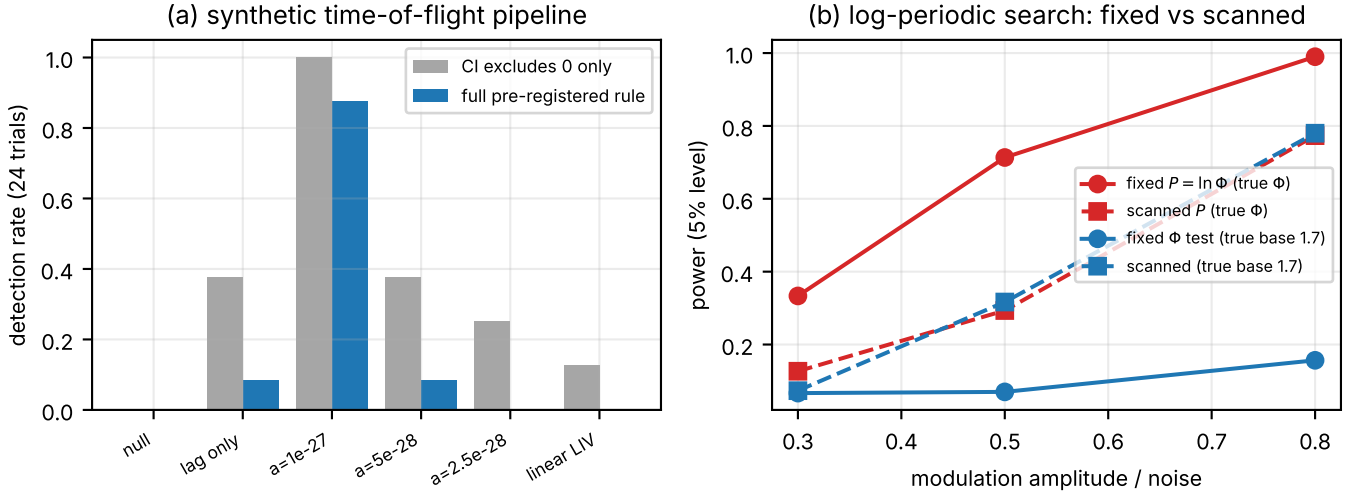

(a) synthetic time-of-flight pipeline
detection rate (24 trials)
1.0
0.8
0.6
0.4
0.2
0.0
CI excludes 0 only
full pre-registered rule
null
lag only
a=1e-27
a=5e-28
a=2.5e-28
linear LIV
(b) log-periodic search: fixed vs scanned
power (5% level)
1.0
0.8
0.6
0.4
0.2
fixed $P = \ln \Phi$ (true $\Phi$)
scanned $P$ (true $\Phi$)
fixed $\Phi$ test (true base 1.7)
scanned (true base 1.7)
0.3
0.4
0.5
0.6
0.7
0.8
modulation amplitude / noise