

amd64, spawn, crypto\_sign, open time, excerpt for NIST Post-Quantum Cryptography Standardization Project  
Horizontal axis: Time (cycles) to generate a message given a signed message (crypto\_sign\_open).  
Vertical axis: Space (bytes) for a public key (crypto\_sign\_PUBLICKEYBYTES).  
“T” means that the SUPERCOP database does not list constant time as a goal for this implementation.

