# Factoring Large Numbers
## (RSA Public Keys)

$$3834780259341457233456 74 * 4960336457634969496040 35 = 302894684681321801548642648062640123 48472$$

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$$1537412769341233563546 39 * 2123567457634969341617 31 = 835924787537401913453412253157890123 45689$$

- Implemented the first Hypercube Multi-Polynomial Quadratic Sieve with Two Large Primes (HMPQS).

- Our HMPQS has factored over 110 numbers between 60 and 91 digits.

- Our HMPQS program is currently factoring a 116-digit number for the Cunningham Project and is running 8 times faster than with the previous program.

- We are currently researching polynomial searching methods for the Number Field Sieve (NFS).