

## NIST SRE10

### NCMF System Description for *core-core* trials

For this simple system, all voiced elements of the signals compared are derived from a periodogram estimate of the power spectral density of length-L signal  $X_L[n]$  being

$$\hat{P}_{xx}(f) = \frac{|X_L(f)|^2}{f_s L}$$

where

$$X_L(f) = \sum_{n=0}^{L-1} x_L[n] e^{-2\pi j f n / f_s}$$

#### Execution time in *days: hrs: min: sec*

Total -

- 06:11:16:48

Model segment training-

- 00:22:26:24

Test segment training-

- 02:10:04:48

Model vs. Test segment comparisons-

- 03:02:52:48

#### CPU Descriptions

3 CPUs with: Intel Core 2 Duo E8500, 3.16 GHz. 3.25 GB RAM

1 CPU with: AMD Athlon 64 X2 Dual Core 6000+, 3.01 GHz. 2 GB RAM