

$$z^k = N' \left\{ \begin{array}{c} \text{light blue box} \\ \text{gray box} \end{array} \right\}_N \times (y^k - \mu_{y^k})$$

z^k
 $\phi_{N'}^\top$
 $(y^k - \mu_{y^k})$
 N'
 N

The diagram illustrates a matrix multiplication. On the left, a purple vertical bar represents a vector z^k . This is equal to N' multiplied by a set of N blocks. Each block consists of a light blue rounded rectangle on top and a gray rounded rectangle on the bottom. This set of blocks is represented by a large gray curly brace labeled N . Finally, this result is multiplied (indicated by a large 'X') by a teal vertical bar, which represents the vector $(y^k - \mu_{y^k})$.