Notation

Throughout this thesis we use Roman letters in place of greek letters wherver possible.

Unbolded x represents a real number, $\mathbf{x}$ represents a vector, and $\mathbf{X}$ represents a matrix. The ith element of a vector $\mathbf{x}$ is denoted as x_i.

Symbol	Description
$\mathbf{h}$	The implicit feature vector corresponding to a kernel.
$\mathcal{O}(\cdot)$	The big-O asymptotic complexity of an algorithm.
$A \otimes B$	The Kronecker product of matrices A and B.
$\boldsymbol{f}$	The Kronecker product of matrices A and B.