

List of Notations

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|---|---|
| \mathbf{H} | indicates a matrix |
| \mathbf{h}_k | indicates k^{th} vector of matrix \mathbf{H} |
| h_{ij} | denotes $(i, j)^{\text{th}}$ element of matrix \mathbf{H} |
| $\ \mathbf{A}\ _2$ | indicates $l - 2$ norm of \mathbf{A} |
| $\ \mathbf{A}\ _F$ | indicates Frobenius norm of \mathbf{A} |
| \mathbf{H}^{-1} | indicates inverse of a matrix |
| \mathbf{H}^T | indicates transpose of a matrix |
| \mathbf{H}^H | indicates Hermitian transpose of a matrix |
| \emptyset | indicates empty set |
| $x = \mathcal{A} \setminus \mathcal{B}$ | denotes set difference as $\{x : x \in \mathcal{A} \text{ and } x \notin \mathcal{B}\}$ |
| $\ \mathbf{A}\ _2$ | indicates $l - 2$ norm of \mathbf{A} |
| $\ \mathbf{A}\ ^2$ | indicates square of $l - 2$ norm of \mathbf{A} |
| $\ \mathbf{A}\ _F$ | indicates Frobenius norm of \mathbf{A} |