SYMBOLS

V_{RMS}:	RMS value of a signal.
T:	Time period.
T:	Matrix transpose.
t_0:	Start of time period.
$v(t)$:	Voltage signal.
t:	Time.
k:	Index.
y:	Signal or feature signal.
t_a:	Alarm time.
$t_{a,sys}$:	Alarm time given by the system.
t_{a_True}:	The true alarm time.
N:	Lenght of signal, length of window, length of training set, normal distribution, number of samples used to estimate distribution, number of re-sampled experiments.
c_{p1}:	Change point no. 1.
c_{p2}:	Change point no. 2.
$\boldsymbol{H}_0$:	Normal condition.
$\boldsymbol{H}_1$:	New condition.
$\boldsymbol{H}_0 \rightarrow \boldsymbol{H}_1$:	Drift between the normal and the new condition.
c:	Index to cycle, number of principal components, constant.
$cycle_{re}$:	Re-sampled cycle.
α:	Mixer function.
X:	Random variable.
$\boldsymbol{X}$:	Training set.
$\boldsymbol{U}$:	Matrix holding eigenvectors.
$\boldsymbol{\Lambda}^{1/2}$:	Matrix holding eigenvalues.
$\boldsymbol{Y}$:	Principal components.
$\boldsymbol{PC}$:	Principal components.
$\tilde{\boldsymbol{X}}$:	Centered matrix.
$\tilde{\boldsymbol{X}}_{res}$:	Restored matrix.
n:	Index to cycle.
mwl:	DMD parameter.
cal_wl:	DMD parameter.
swl:	DMD parameter.
sw_dist:	DMD parameter.
a_{sub}:	DMD parameter.
b_{sub}:	DMD parameter.
c_{sub}:	DMD parameter.
A:	Boost function parameter.
h_0:	Boost function parameter.
$h_{A/2}$:	Boost function parameter.
a_{boo}:	Boost function parameter.
b_{boo}:	Boost function parameter.

Symbols

c_{boo}:	Boost function parameter.
y_{con}:	Connection values.
boost():	Boost function.
L_1:	Length in the boost function.
L_2:	Length in the boost function.
L_3:	Length in the boost function.
L_4:	Length in the boost function.
F:	Factor.
μ:	Mean value.
σ:	Standard deviation.
$p(x)$:	Probability density function.
θ:	Scalar parameter.
$s(y)$:	Log-likelihood ratio.
L:	Likelihood function.
σ_{sig}:	Deviation of signal.
σ_{noise}:	Deviation of noise.