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An efficient Bayesian experimental calibration of dynamic thermal models

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## ACCEPTED MANUSCRIPT

	Namanalatana	ACCEI IED MANUSCRII I
	Nomenclature Notations	
	x, y, z x, y, z A, B, C R <sup>q</sup>	Scalars Vectors Matrices Space of dimension <i>a</i>
	$\mathbb{R}^{q}$ Notational conventions $A^{T}$ $A^{-1}$ $A^{-1/2}$ $A^{-T/2}$ $det(A)$ $tr(A)$ $\dot{x}$ $\partial \mathbf{x}/\partial \theta_{i}$ $diag(a_{1}, a_{2}, \dots, a_{N})$ $\mathbb{E}[\cdot]$ $p(\mathbf{x})$	Space of dimension $q$ Matrix transpose Matrix inverse $(\mathbf{A}^{1/2})^{-1}$ $(\mathbf{A}^{-1/2})^{\mathrm{T}}$ Determinant of the matrix $\mathbf{A}$ Trace of the matrix $\mathbf{A}$ Time derivative of vector $\mathbf{x}$ Partial derivative of $\mathbf{x}$ with respect to $\theta_i$ Diagonal matrix with diagonal values $a_1, a_2,, a_N$ Expected value
	$p(\mathbf{x} \mathbf{y})$ $\mathbf{x} \sim p(\mathbf{x})$ $\propto$ $\approx$ $\mathbf{x}_{1:N}$	Probability density function (pdf) of a random variable $\mathbf{x}$ Conditional pdf of vector $\mathbf{x}$ given vector $\mathbf{y}$ Random variable $\mathbf{x}$ with probability distribution $p(\mathbf{x})$ Proportional Approximately equal
1		Set of values $\mathbf{x} = [\mathbf{x}_1, \mathbf{x}_2, \dots, \mathbf{x}_N]$
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