

Simulation of measurand for examples 3A and 3B

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1 Introduction

This document describes the information that must be provided by the user to define the measurand in the examples contained in MATLAB scripts `DataFusionSoftware_3A.m` and `DataFusionSoftware_3B.m`.

In particular, section 2 contains a list of all the numerical input that the user is expected to provide.

2 User input

The ‘true’ measurand is defined by the following information provided by the user:

Measurand name and unit

- (optional) the name of the measurand, e.g., ‘Temperature’ [cell B4],
- (optional) the unit of the measurand, e.g., ‘C’ [cell B5].

If provided by the user, the name and unit will be used on the figures generated when running the software.

Measurand values

- $t_{1,j}$, $j = 1, \dots, m$, the time values at which values of the measurand are provided [column C],
- $y_{1,j}$, $j = 1, \dots, m$, the values of the measurand [column D].

It is assumed that the time values are evenly spaced, corresponding to a sampling frequency f_1 .