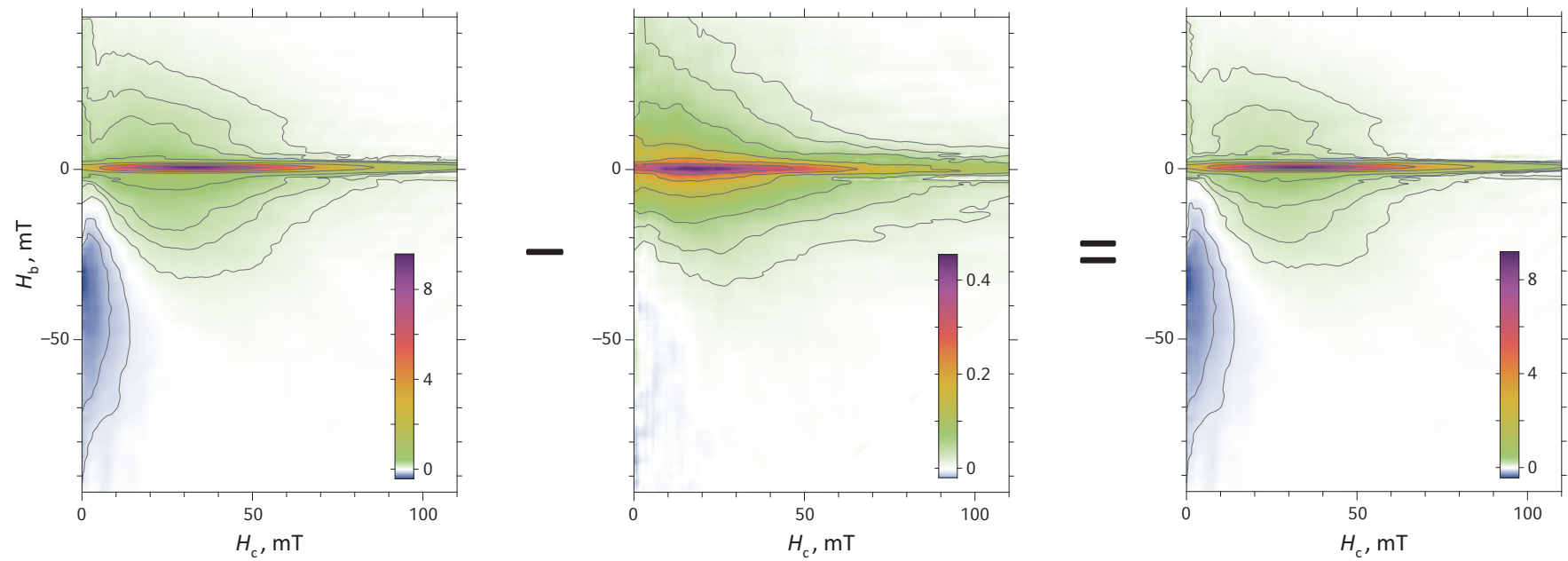


## VARIFORC Quick Guide

## VARIFORC LinearCombineFORC





## 5.1 Needed files

### Mathematica notebook

(→ User manual p. 7-6)

Files ending with VARIFORC\_LinearCombineFORC.nb

Location in the installation package:

VARIFORC\_Install/Functions/LinearCombineFORC/Start\_LinearCombineFORC.nb

### FORC data

(→ User manual p. 7-10)

Arbitrary number of files of the following types:

- Corrected FORC measurements produced by ImportFORC (ending with \_CorrectedMeasurements\_VARIFORC.txt).
- FORC matrix files produced by CalculateFORC and other VARIFORC functions (ending with \_FORC\_VARIFORC.txt).

## 5.2 Output files

### FORC data

(→ User manual p. 7-14)

Same type of imported files, with all associated data (e.g. corrected measurement differences, coercivity distributions, FORC matrix standard errors).

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### 5.3 File import options

#### Action

(→ User manual p. 7-11)

#### Linear combination factor of the imported data

The linear combination factor of each imported file is entered with a dialog window and the following options:

- Option 1 (*multiply*):



Multiply FORC data with a numerical factor  $c$ .

- Option 2 (*divide*):



Divide FORC data with a numerical factor  $c \neq 0$ .

- Option 3 (*average*):

With this option, imported data will be averaged.

#### Master file

(→ User manual p. 7-15)

#### Set the master file

A single imported file can be set as master. The master file serves as:

- Reference for the header of exported files:

Supplementary information stored in the file header is taken from the master file. If a master file has not been chosen, data are taken from the first uploaded file.

- Reference for field values (corrected measurements only):

If a master file has been chosen, field values of corrected measurements are taken from this file only. Otherwise, field values for the output files are obtained by averaging the corresponding fields of all imported files.

**Notes:**

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