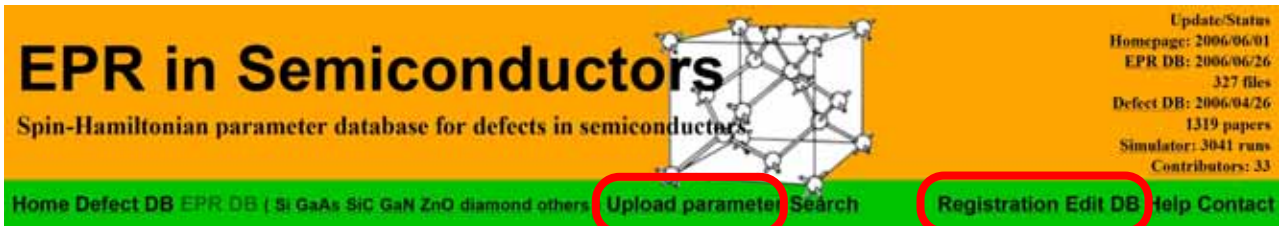


# Appendix 1: How to upload new EPR data to “EPR in Semiconductors”

<http://www.kc.tsukuba.ac.jp/div-media/epr/> → EPR in Semiconductors



Step 3

Step 1

## Step 1.

### Registration and Login

Finish registration (click *Registration* button) and login (click *Edit DB* button) on the web page.

## Step 2.

### Prepare text files (page 2)

New EPR data [new Spin-Hamiltonian (SH) parameters of a defect] are formatted into a text file. Please see the next page for the format of the text file.

## Step 3.

### Upload

Upload the text files to the “EPR in Semiconductors” database using the Upload Form (Fig. 1).

Fig. 1

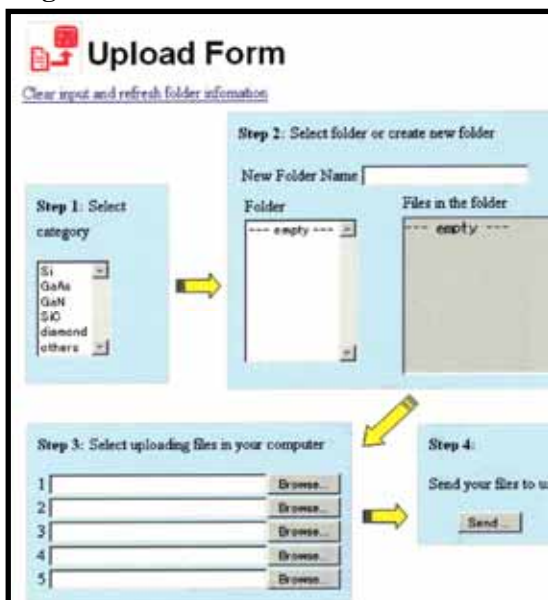


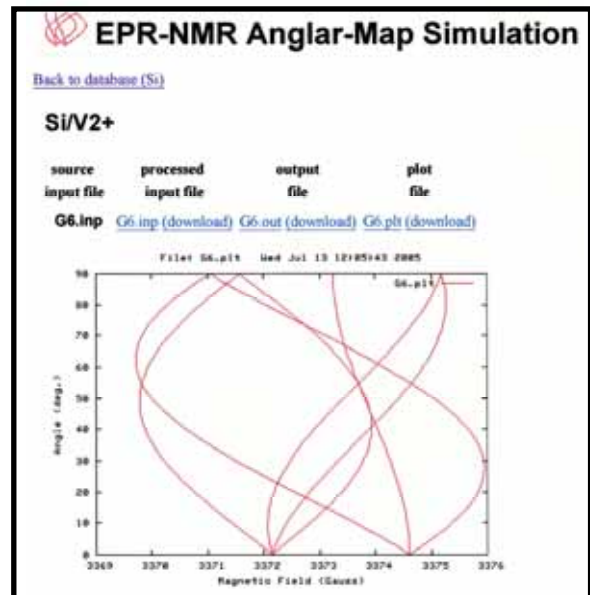
Fig. 3

## Step 4.

### Verification

Our server automatically executes an EPR-NMR© angular-map simulation using the uploaded files. Please check the calculated result shown on the web page (Fig. 2). If it is not consistent with that you expected, please follow the next step to revise the files.

Fig. 2



## Step 5.

### Revision

If revisions are necessary for record files, please edit, rename or delete the files via the SH parameter list (Fig. 3). Please be careful that you cannot modify the records that were uploaded by other researchers.

	G29.inp (G.D. Watkins, 75) (T. Umeda)	Download Copy Edit Rename Move Delete Disable	1	1	2.01070	5696.00	2048.00	2048.00	G28(0) Trigonal [V+Sr]0
V2	NL11.inp (E.G. Sleevarts, 78) (T. Umeda)	Map Spectrum Level View Download Copy Edit Rename Move Delete Disable	1		2.00945	2.00830	1.99910		NL11(g,D) Monoclinic-I V2(0)?
V2+	G6si.inp (J.V.V. Corbett, 61) (T. Umeda)	Map Spectrum Level View Download Copy Edit Rename Move Delete Disable	1/2	1/2 (si29)	0.0934	2.00410	2.00200	2.00040	G6(Six2) Monoclinic-I V2(+)
					2.00410	2.00200	2.00040		
<b>[Step 5] Click Edit, Delete, Rename buttons to revise record files.</b>									
V2-	G7si.inp (J.V.V. Corbett, 61)	Map Spectrum Level View Download Copy Edit Rename Move Delete Disable	1/2	1/2 (si29)	0.0934	2.01500	2.01350	2.00120	G7(Six2) Monoclinic-I V2(-)

