



XA0302239

CURVE COLLECTION, EXTENSION OF DATABASES

**by F.Gillemot,
Atomic Energy Research Institute, Hungary**

CURVE COLLECTION, EXTENSION of DATABASES

by

F. Gillemot
Atomic Energy Research Institute, Budapest

Databases: generally calculated data only.

The original measurements: diagrammes

Information loss between them

Expensive research eg. irradiation, aging, creep etc.

Original curves should be stored for reanalysing

The format of the stored curves:

- a. **Data** in ASCII files, only numbers
- b. Other information in **strings** in a second file

Same name, but different extension.

Extensions shows the type of the test

and the type of the file.

EXAMPLES.

TEN is tensile information,

TED is tensile data

CHN is Charpy informations

CHD is Charpy data

Storing techniques:

digitalised measurements,
digitalising old curves stored on paper.

Use: making catalogues, reanalysing,
comparison with new data.

Tools: mathematical software packages
like quattro, genplot, exel, mathcad,
qbasic, pascal, fortran, matlab , grapher etc.