

**Read Me.doc (October 18, 2007)**

**This file contains several items of information about the “Electron/Photon Transport Bibliographic Database”**

-----  
**CONTENTS:**

- A. The files on this CD-ROM**
  - B. Field sizes**
  - C. Ways the database can be searched or sorted**
- 

- A. The files on this CD-ROM**

**The 12 files on this CD-ROM are as follows:**

- 1. “4039REFS.TXT” – this contains “complete” bibliographic data for 4039 references on electron/photon transport in comma-delimited format. This is in a format frequently used for importing into database programs written for the PC. For example, it can be imported into Microsoft ACCESS. It was the imported data file from which the two “XLS” files listed below were created using Microsoft Excel. The first line in this file shows the field names for the lines of data in all the 4039 bibliographic records following.**
- 2. “4039REFS.XLS” – an Microsoft Excel file containing the bibliographic data provided in “4039REFS.TXT” described above. The 8 columns are labeled with the 8 field names and the columns have widths appropriate for the field sizes.**
- 3. “4039REFS Color.XLS” – this is the same as “4039REFS.XLS” but with a different color for each column – for easier viewing of the data.**
- 4.-6. “4039REFS.ADX”, “4039REFS.APR”, and “4039REFS.dbf” - These three files are those to be used by the database program “Lotus Approach”. This program is the one on which this database was developed. (4039REFS.dbf is the file that actually contains the data). There are a total of 11 fields for each bibliographic record with 3 extra fields as described in the paper “Garth CMPWG II.pdf”**
- 7. “Garth CMPWG II.pdf” is a 10-page paper that was presented at the**

Computational Medical Physics Working Group meeting on October 3, 2007 in Gainesville, Florida and entitled “An Electron/Photon Transport Bibliographic Database” by John C. Garth. This article is the primary reference about this database and gives a description of the database, the reason it was developed, its properties and ways the database can be used.

8. “Garth MC2005.pdf” is a 12-page paper presented at the Monte Carlo 2005 meeting in Chattanooga in April 2005 which describes the survey of electron transport and its applications for which this database was developed. It is the paper referenced in “Garth CMPWG II.pdf”
9. -10. “Category List.doc” and “Category Table. Doc” – These two files list the 62 topical categories used in the database that characterize the references. “Category List.doc” is a simple listing of the topical categories along with a alphanumeric code for each topic. The alphanumeric code is used in the database rather than the full topic description. This code is very useful for sorting the bibliographic data by category. “Category Table.doc” contains the same information as “Category List.doc”, but also indicates how many references are in the database for each topic.
11. “Garth Slides.ppt” – these are the PowerPoint slides used in the presentations given at the CMPWG II workshop, CIRMS, and RPSMUG in October 2007.
12. “Read Me.doc” – this file

-----

## B. Field sizes

This bibliographic database was developed using the fields, as defined in the paper “Garth CMPWG II.pdf”, having the following sizes (numbers of characters). This is important information for adapting this database for use in a database program such as Microsoft ACCESS:

	<b>FIELD NAME</b>	<b>Data type</b>	<b># of characters</b>
1.	Ref. Name –	Text -	35
2.	Year –	Numeric -	4.0
3.	Reference type –	Text -	10

4. Category –	Text -	4
5. Summary –	Text -	80
6. Citation –	Text -	250
7. Author(s) –	Text -	240
8. Title –	Text -	254

**Additional fields;**

9. Date obtained –	Date -	“fixed”
10. Pdf –	Text -	1
11. Reference form –	Text -	10

-----

**C. Ways the database can be searched or sorted**

(search using a “Find” capability in the database software).

**The database can be searched and/or sorted (as applicable) by:**

1. First author (using "Ref. Name")
2. Author(s) - any author in the reference
3. Title
4. Citation (the bibliographic citation of each reference)
5. Journal (abbreviated name, as contained in the bibliographic citations)
6. Publication year
7. Topical category
8. Summary – an alphabetical listing of all the summaries in the database makes a handy “index” for the many subjects covered.
9. Any technical term in the title, the summary or both (at the same time)