



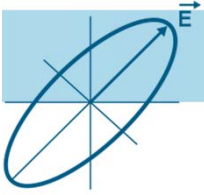
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Ellipsometry Solutions

Creating Tabulated MAT files

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Tabulated Mat Files

- The following instructions allow users to create tabulated material files for use with either WVASE or CompleteEASE software, as the format is the same for both programs.

1

Formatting the Information

- The key to tabulated material files is to format the content such that WVASE and CompleteEASE programs can correctly interpret the information.
 - First Row: Comment Line
 - Second Row: Wavelength Units
 - Valid entries include: Angstroms, nm, eV, um, or 1/cm
 - Third Row: Optical Constant Format
 - Valid entries include: NK or e1e2
 - Remaining Rows contain 3 columns with the actual data
 - Example: WVL N K

Example File in EXCEL

n and k single crystal Mo.xlsx - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

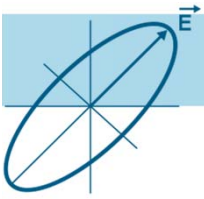
Clipboard Font Alignment Number Styles Cells Editing

A4 0.265

	A	B	C	D	E	F	G	H	I	J	K	L
1	Tabulated Mo from Literature Reference											
2	eV											
3	NK											
4	0.265	1.43	3.57									
5	0.28	1.82	3.72									
6	0.289	1.94	3.76									
7	0.302	2.21	3.56									
8	0.312	2.14	3.61									
9	0.365	2.65	3.5									
10	0.404	2.66	3.41									
11	0.425	2.71	3.41									
12	0.45	2.84	3.51									
13	0.475	2.95	3.64									
14	0.5	3.15	3.73									
15	0.525	3.22	3.74									
16	0.55	3.47	3.56									
17	0.575	3.42	3.55									
18	0.6	3.38	3.56									
19	0.65	3.45	3.67									
20	0.675	3.47	3.74									
21	0.7	3.48	3.7									

Sheet1 Sheet2

Ready 100%



SAVING FROM EXCEL

- After entering the appropriate information into EXCEL, choose to save in the following manner:
- File > Save As:
 - Choose to Save as Type: Text (Tab Delimited)
 - This will try to save the file with TXT extension, but we need to use MAT as the extension. To do this, put the material file name in quote marks with .mat as extension (see below).

