- Example Calculations to Derive Input Values for Reliability Analysis of Wood Products -- David S. Gromala, PE, Philip Line, PE, Joseph F. Murphy, PhD, Thang Dao, PhD

- Historical Approach Making a Comeback: Closed Form Equations to Determine LRFD Reliability Indices (β) and Resistance Factors (φ) -- David S. Gromala, PE, Philip Line, PE, Joseph F. Murphy, PhD, Thang Dao, PhD

More material is available

I have more material available which I have uploaded to my website. You can access the website at http://joeinmadison.com/lrfd You will find these files.

- readme1.pdf - a copy of this section

- jfmreport.pdf - a copy of this report

- sp57764.zip - a zip files containing source *.bas code and *.jpg files. The *jpg files are just *.exe files with the wrong extension name. One must rename the *.jpg files with a *.exe extension for them to function. (I store them as *.jpg to pass through some file transfer protocols.) All the *.bas source code is compiled into *.exe executables with PowerBASIC Console Compiler 6.01 for Windows. Also contains input *.txt files for sp57764.exe which I used in this report.

    sp57764.bas program listing like pp 49, sp57764.jpg compiled with PoWerBASIC
    input filename.txt (just like NBS 577 APPENDIX F pp 36), output filename.htm
    input filename.txt uses the DOS 8.3 file naming convention.

    NBSbeta.bas *.jpg program scans the sp57764 output for the beta values
    input filename.htm, output filenameNBS.dat

    FOSMbeta.bas *.jpg program to compute FOSM beta values using sp57764 input
    input filename.txt, output filenameFOSM.dat

    do1dot.bat batch file to do all input *.txt files in a folder
    do1dot.bat, sp57764.exe, NBSbeta.exe, FOSMbeta.exe have to be in the same folder

    do2dot.bat batch file to do all input *.txt files in a folder
    do2dot.bat has to be in the same folder
    sp57764.exe, NBSbeta.exe, FOSMbeta.exe have to be in one folder above (parent folder)

    snowS2D.txt - input *.txt file for sp57764.exe
    snowCV.txt - input *.txt file for sp57764.exe
    liveL2D.txt - input *.txt file for sp57764.exe
    liveCV.txt - input *.txt file for sp57764.exe

- NBSSP577.pdf - a copy of NBS Special Publication 577, National Bureau of Standards. Digitized by Google.

- fplgtr72.pdf - John Zahn's General Technical Report with his Fortran program listing. Some of the code contains typos. Referenced by ASTM D-5457. See References.

- WDF_Q1_2017.pdf - Wood Design Focus, A Journal of Contemporary Wood Engineering, Volume 27, Number 1, Spring 2017. See References.

Programs I have written can be used for personal use only!
*.exe files in the *.zip file have been renamed with a *.jpg
extension. Rename them back to *.exe to be executable.

You can reach me at joe_@mailbag.com