File:

(AllFld\_SVE).OAllFld

# Nfstrength normalized by mean value(<computed value>) GPa

0

# # Sfstrength normalized by mean value(<computed value>) GPa

0

Does this mean strengths are not normalized by mean values? What should be done to do so? Souldn’t <computed value> be filled in with the actual mean value?

(MMstat\_SVE).OMMstat, (Sstat\_SVE).OSstat, (Tstat\_SVE).OTstat

Mixed mode (beta), shear, tensile strengths?

C:\project\UST\_SquarePartition\_03\_25\_2018\_Test\_3\_8\_2019\UST\_SquarePartition\_03\_25\_2018\_Test\_3\_8\_2019\SVE.cpp

Where point data is read

void sve::readSVEdata(int Irve,string folderLoc)

{

ostringstream convert, convert1, convert2;

ifstream f1;

bool f1status;

convert << (Irve + 1); convert1 << sveId ;

string Id, buf, Id0;

int iSVE, Iload, Nincl, Iincl, aa;

double bufd;

//Id0 = "RVE" + convert.str() + "\\SVE" + convert1.str();

Id0 = folderLoc+ "SVE" + convert1.str();

int NsymTen = Ndim\*(Ndim + 1) / 2;

for (int iload = 0; iload < Nloading; iload++)//loop over Type of loading

{

convert2.str("");

convert2 << iload + 1;

Id = Id0 + "BC" + convert2.str() + ".PTH";

f1.open(Id, ios::in);

if (f1.is\_open())

{

iSVE = -1; Iload = -1; Nincl = -1;

f1 >> buf >> iSVE >> buf >> Iload >> buf >> Nincl;//Isve,Iload,Nincl

if (iload == 0)

{

geom.numIntf = Nincl;

geom.initGeometry();

}

sol[iload].feSol.initFEsolution(Nincl);

f1 >> buf;//begining of the line (Incl)

for (int iintf = 0; iintf < Nincl; iintf++)//loop over interfaces

{

sol[iload].feSol.intfSol[iintf].initIntfSolution();

if (iload == 0)

{

//read everything

f1>> Iincl >> buf;//Iincl

for (int idim = 0; idim < Ndim; idim++)//read center point

{

f1 >> geom.intfs[iintf].center.comp[idim];

if (idim != Ndim - 1)

f1 >> buf;

}

f1 >> buf;

int ip = -1;

while (isdigit(buf[0]) && buf != "\0" && !f1.eof())

{

ip++;

geom.intfs[iintf].intfPnts.resize(ip + 1);

sol[iload].feSol.intfSol[iintf].stressPnts.resize(ip + 1);

for (int idim = 0; idim < Ndim; idim++)

{

geom.intfs[iintf].intfPnts[ip].posXY.comp[idim] = stod(buf);

f1 >> buf;//,

f1 >> buf;//num

}

for (int icomp = 0; icomp < NsymTen; icomp++)

{

sol[iload].feSol.intfSol[iintf].stressPnts[ip].comp[icomp]=stod(buf);

if (icomp != NsymTen - 1)

{

f1 >> buf;//,

f1 >> buf;//num

}

}

f1 >> buf;//begining of a new lin

}

geom.intfs[iintf].numIntPnts = ip+1;

sol[iload].feSol.intfSol[iintf].numPnts = ip + 1;

aa=2;

}

else

{

f1 >> Iincl >> buf;//Iincl

for (int idim = 0; idim < Ndim; idim++)

{

f1 >> bufd;

if (idim != Ndim - 1)

f1 >> buf;

}