```
CapillaryPhys.hpp
1YADE CLASS BASE_DOC ATTRS DEPREC INIT CTOR PY(CapillaryPhys,FrictPhys,"Physics (of interaction) for :yref:`Law
2 ((bool,meniscus,false,,"Presence of a meniscus if true"))
3 ((bool,isBroken,false,,"If true, capillary force is zero and liquid bridge is inactive."))
4 ((Real,capillaryPressure,0.,,"Value of the capillary pressure Uc defines as Ugas-Uliquid"))
5 ((Real,Meniscus,0.,,"Volume of the menicus"))
6 ((Real,Deltal,0.,,"Defines the surface area wetted by the meniscus on the smallest grains of radius R1 (R1<R2)"
8 ((Vector3r,fCap,Vector3r::Zero(),,"Capillary Force produces by the presence of the meniscus"))
9 ((short int,fusionNumber,0.,,"Indicates the number of meniscii that overlap with this one"))
10,/"deprec"/
11 ((Fcap,fCap,"naming convention"))
12 ((CapillaryPressure,CapillaryPressure,"naming convention"))
13,...
14 createIndex();currentIndexes[0]=currentIndexes[1]=currentIndexes[2]=currentIndexes[3]=0;
15,
16);
17 REGISTER CLASS INDEX(CapillaryPhys,FrictPhys);
18</pre>
```

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MindlinCapillaryPhys.hpp

1 YADE CLASS BASE DOC ATTRS DEPREC INIT CTOR PY(MindlinCapillaryPhys,MindlinPhys,"Adds capillary physics to Minc 2 ((bool,meniscus,false,,"Presence of a meniscus if true"))
3 ((bool,isBroken,false,,"If true, capillary force is zero and liquid bridge is inactive."))
4 ((Real,capillaryPressure,0.,,"Value of the capillary pressure Uc defines as Ugas-Uliquid"))
5 ((Real, Wheniscus,0.,,"Volume of the menicus"))
6 ((Real,Deltal,0.,,"Defines the surface area wetted by the meniscus on the smallest grains of radius R1 (R1<R2)
7 ((Real,Deltal,0.,,"Defines the surface area wetted by the meniscus on the biggest grains of radius R2 (R1<R2)'
8 ((Vector3r,fCap,Vector3r::Zero(),,"Capillary Force produces by the presence of the meniscus"))
9 ((short int,fusionNumber,0.,,"Indicates the number of meniscii that overlap with this one"))
10 ,/"deprec"/
11 ((Fcap,fCap, "naming convention"))
12 ((CapillaryPressure, capillaryPressure, "naming convention"))
13 ,.createIndex();currentIndexes[0]=currentIndexes[1]=currentIndexes[2]=currentIndexes[3]=0;
14,
15);
16 REGISTER CLASS INDEX(MindlinCapillaryPhys,MindlinPhys);
```