

Example 5: The tie of FEM-Peri parts

Objective: Observe tie constrain between FEM and peridynamics parts.

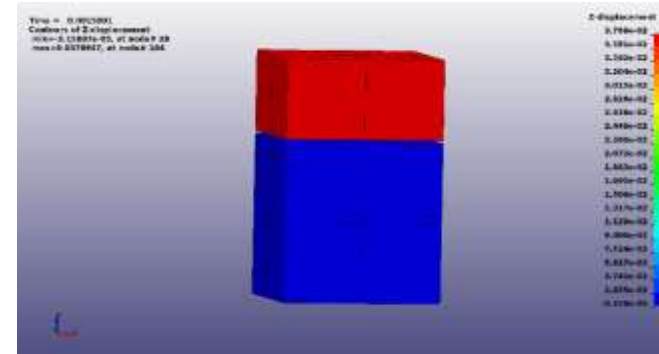
Filename: *ex4femperitie.k*

Description:

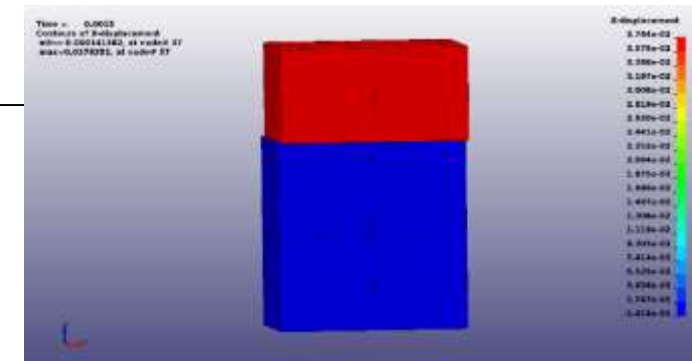
A fem part is sandwiched by two peridynamics parts. These three parts are connected by *CONTACT_FEM_PERI_TIE_BREAK. The tie will break under tension or shear.

You are expected to do the following studies by *beta version of executable* :

1. .Copy *ex4femperitie.k* to directory example4.
2. Obtain the results.
3. In ls-prepost, click **Fringe Component -> Z-displacement**. Play the animation.
4. Change the boundary from tension mode to shear mode, .Observe the tie break process.



Tie break, tension



Tie break, shear