

Example 3: Crack Propagation

Objective: Observe the cracks initiate and propagate in structure.

Filename: *ex2plate.k*

Description:

A plate with a circular whole is stretched.

Cracks are formed and propagate automatically in the plate.

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

1. Copy *ex2plate.k* to directory example2.
2. Obtain the results.
3. In ls-prepost, click **Fringe Component -> effective plastic strain**. Here the effective plastic strain indicates the damage value in peridynamics. Play the animation.
4. Change DR to 0.6 or 1.0. In messag file, find the corresponding The max. peri neighbors and the min. peri neighbors.

