
Contact In LS-DYNA

This course will allow first time LS-DYNA users to model contact more effectively and understand all the contact options. The most important elements, to start using all the contact surfaces more accurately in LS-DYNA, will be presented in the 8 hours. There is a one day (8 hours) of workshop in this course.

COURSE CONTENT

1. Introduction
2. All contact formulations used in LS-DYNA
3. Contact Algorithm
4. Contact types
5. Nodal base contact search
6. Segment based contact search
7. Penalty method
8. Automatic versus non-automatic contact
9. Friction
10. Nodal release criteria in contact
11. List of all contact parameters
12. Discussion of all the different contacts in LS-DYNA
13. Contact in explicit versus implicit time integration
14. Post-processing Contact
15. Modeling techniques for contact
16. Thermal contact