

به نام خدا



تدریس‌یار: سجاد نیازی

استاد درس: جناب آقای دکتر شکریه

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فعالیت جلسه ۲۲

1- Investigate the effect of initial imperfection on critical load (P_{cr}) in the following concepts. Interpret the results.

- Pin-jointed column with initial pre-deflection
- Pin-jointed column with a compressive eccentric load P
- Pin-jointed column under transverse & axial loads
- Pin-jointed column with concentrated load W , in addition to axial and transverse loads
- Bead-column subjected to end moments M_A & M_B , in addition to axial load P

Extra mark assignment:

Simulate buckling for a column with a simple compressive load P and initial deflection. Furthermore, determine bulking modes and represent bulking progression.