



## Centre for Advanced Structural Engineering

### Plane Rigid Frame Elastic Lateral Buckling (PRFELB)

#### General specifications

PRFELB is a user-friendly computer program for predicting the elastic flexural-torsional buckling load factor of beams and plane rigid frames. The frame can be subjected to point forces and moments and uniformly distributed loads in its plane. The frame can be restrained by rigid or elastic restraints, or continuous elastic restraints. The members may be monosymmetric such that their plane of symmetry is the plane of the structure.

#### Demonstration version

A demonstration copy of PRFELB can be downloaded from this web site. The demonstration copy allows the user to execute the program three times. The user can inspect the data input and the results output of the program but cannot perform an analysis. Examples are provided in the directory Working, which is a sub-directory of the PRFELB program file directory.

#### Purchasing full version

If the user wishes to purchase the program, a site key must be obtained. To obtain a site key, the user must supply the site code for their computer. The site code is obtained by pressing ENTER when the PRFELB splash screen appears after starting the program. When the site key is typed in and Validate is pressed, the demonstration copy of PRFELB becomes a fully licensed copy.

#### Download and setup instructions

1. [Download specifications](#) (664.8KB pdf)
2. Download the [PRFELBsetup.exe](#) file (7.5 MB exe) to your local drive (i.e your desktop)
3. Close all open applications
4. Double click PRFELBsetup.exe
5. The setup programme will install the PRFELB program
6. For Windows NT/2000/XP/7, the user must have administrator privileges to install PRFELB

#### Price

Single-user licence - \$1,000 + GST  
Multi-user licence (5 copies) - \$2,000 + GST