



2016 version - LPILE



### User-Input Moment-EI Data for Section 1

Thrust No.	Axial Thrust Force, (lbs)	Enter EI-vs-Moment Data
1	0	1: Nonlinear EI-vs-Moment Data
2	20000	2: Nonlinear EI-vs-Moment Data
3	40000	3: Nonlinear EI-vs-Moment Data
4	60000	4: Nonlinear EI-vs-Moment Data
5	80000	5: Nonlinear EI-vs-Moment Data
6	100000	6: Nonlinear EI-vs-Moment Data
7	120000	7: Nonlinear EI-vs-Moment Data

Add Row

Insert Row

Delete Row

Enter the axial thrust loads for Section 1 for each nonlinear bending curve. The axial thrust loads for Section 1 will be copied to all other sections.

LPile interpolates between the input sets of nonlinear bending when determining the nonlinear bending stiffness of the pile. All values entered must be positive in sign.

Data may be entered by entering moment and EI values.



Thrust No. Axial Thrust Force, (lbs) Enter EI-vs-Moment Data

1

2

3

4

5

6

7

Add Row

Enter the axial thrust force for each pile.  
The axial thrust force is determined by the LPILE interpolation program.

LPILE interpolation program determines the axial thrust force for each pile.  
All values entered must be greater than zero.

Data may be entered in the following manner:



Nonlinear EI-vs-Moment Data 1

Nonlinear EI, (lbs-in<sup>2</sup>)

Bending Moment, (lbs-in)

Point	Bending Moment, (lbs-in)	Nonlinear EI, (lbs-in <sup>2</sup> )
1	0	0
2	0	0

Add Row

Insert Row

Delete Row

File Name:

Browse

View/Edit File

Read Values from File


Paste values from Clipboard (text)

Enter values starting from zero moment. Remember that EI for zero moment is not zero. All input EI values must be greater than zero to avoid computation errors.

To read file with nonlinear EI vs. moment data, first specify the filename by using the Browse button, then press the Read Values from File button. The file should be a text file with the data entered one data pair per line, moment followed by EI, separated by spaces, commas, or tabs.



LPILE V5

 **Axial Loads** Minimize Maximize Close

Axial Load Number	Axial Thrust Load (lbs)
1	0
2	20000
3	40000
4	60000
5	80000
6	120000
7	300000

The axial thrust loads entered in this table are used in computations of the nonlinear moment-curvature properties of the pile.

The values of axial thrust force are applied to every section of the pile.

The program interpolates between the curves of moment vs. curvature curves when computing the nonlinear bending stiffness of the pile.