

# Load combination

A **load combination** sums or envelopes the analysis results of certain [load cases](#). Summation is often suitable for a linear analysis in which results are superimposed, such as with  $1.2*DL+1.6*LL$ . For [nonlinear](#) analysis, it is often best to combine [load patterns](#) within load cases, then use load combinations to compute response envelopes. Load combination results include displacements and forces at [joint](#) locations, and internal member forces and stresses.

## Tips

- We do not recommend enveloping [design](#) load combinations. Simply add all load combinations, then let the software design and report specifications at each design station for each governing case. Governing results may be checked through Tables > Design > Result Summary.

## Articles

## Tutorials

Title	Description	Program
<a href="#">Create and copy load combinations</a>	This tutorial explains how interactive database editing allows users to create and copy load combinations from one model to another.	SAP2000