

# 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  $1.2 \cdot DL + 1.6 \cdot LL$ . 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.

## Related Content

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- [Create and copy load combinations](#)

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