

Q: What is the difference between steady state analysis and transient analysis?

A: In transient analysis, the changing state is solved sequentially at each time step, resulting in temperature variations from its initial temperature due to heat generation or dissipation.

This allows you to observe the change in temperature over time. In the steady-state analysis, the steady-state temperature distribution which has been reached after the sufficient passage of time is directly solved. It requires a shorter computation time than the transient analysis.

If a temporal temperature variation is not required, the steady-state analysis is recommended.