

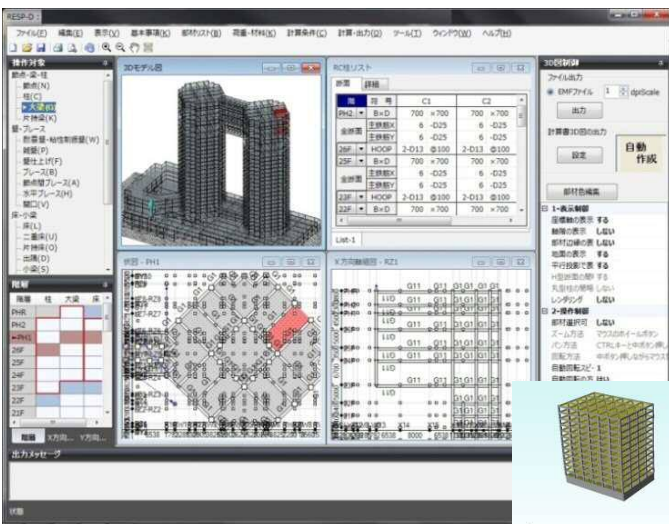
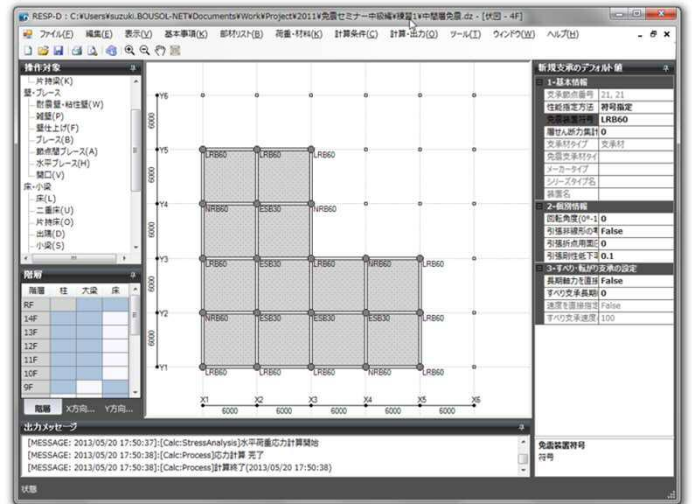
RESP-D

Inelastic Time-history Analysis

RESP-D is a structure computation program for architectural structures that require time history seismic response analyses.

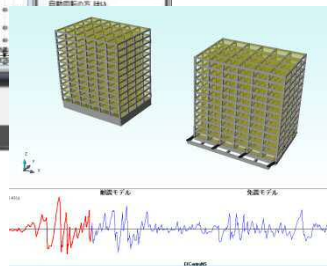
RESP-D offers a suite of functions that include load computation from member shape, cross-section design, and static and dynamic analysis of the elastoplasticity of three-dimensional frames. It is an integrated structure computation program that enables an efficient design process by solving design and analysis problems associated with unique structures including high rise buildings, response controlled structures, and seismically-isolated buildings.

Because RESP-D is specifically tailored in the field of analysis of architectural structures, it offers the advantage of faster model generation than general-purpose analysis programs.



RESP-D is able to flexibly respond to every stage of the design process, from the proposal of plans to implementation design. The computation program also features as standard a function for creating movies of seismic response simulations, enabling it to be used effectively during presentations.

In Japan, the program has already been used for structures including office high rise buildings, plant facilities, and seismically isolated buildings.



RESP-D offers a next-generation structure computation program with dynamic three-dimensional analysis as its foundation, making it possible to resolve the issues faced by designers as new ideas are incorporated and designs evolve day by day.

RESP-D

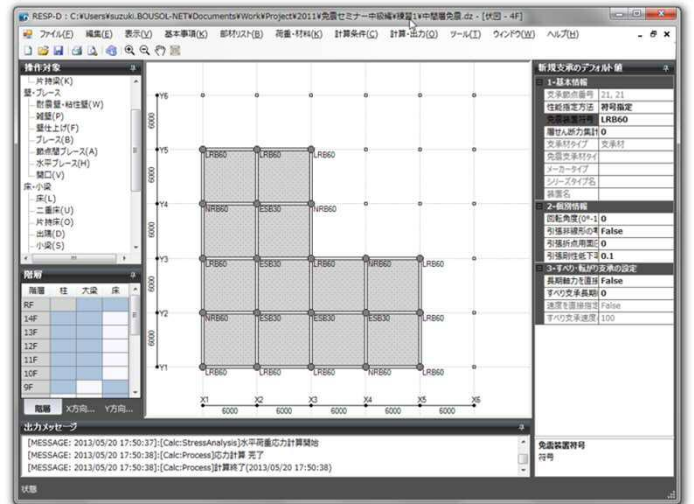
Inelastic Time-history Analysis

RESP-Dは時刻歴応答解析を必要とする建築構造物を対象とした構造計算プログラムです。

形状から荷重計算、断面設計、立体フレーム弾塑性静的解析・動的解析といった一連の機能を持つ統合構造計算プログラムです。

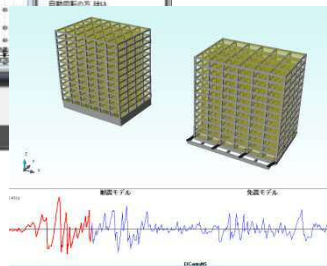
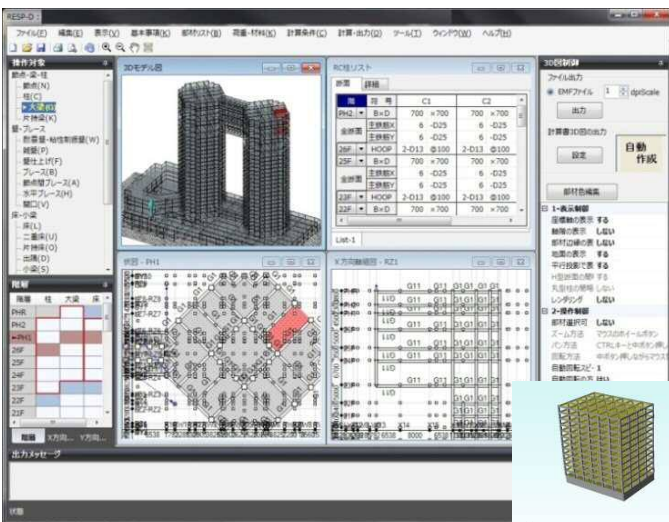
そして、超高層建物、制振構造建物、免震構造建物などの特殊な構造物の設計・解析の問題を解決し、効率的に設計することができます。

建築構造物に特化したプログラムであるため、汎用解析プログラムと比較して、スピーディにモデル作成を行える利点があります。



RESP-Dは企画提案から実施設計まで、設計の各工程にフレキシブルに対応できるプログラムです。標準で地震応答シミュレーションのアニメーション作成機能を持っており、プレゼンテーションの場でも効果的にご利用いただけます。

日本では、超高層オフィス、工作物、免震建物などで実績があります。



RESP-Dでは、日々新しいアイデアを盛り込み進化し続け、設計者が抱える様々な課題を解決し、動的立体解析を基本とした新世代の構造計算プログラムを提案します。