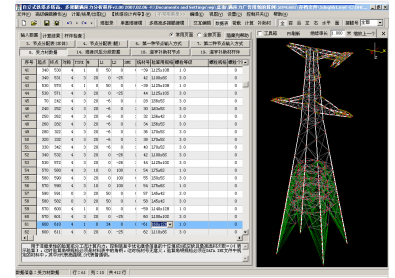


Steel Tower 3D Design and Analysis Software

This software system facilitates the three-dimensional design and analysis of structures, particularly steel towers. It includes modules for inputting data, calculating results, and inspecting components.



Overview

Advanced 3D Steel Tower Design Solution

This comprehensive software system is engineered for the three-dimensional design and full-stress analysis of self-supporting steel towers. It streamlines the engineering workflow by integrating data input, load calculation, and structural verification into a single platform. The system supports complex configurations, including multi-tower heights and multi-leg arrangements, ensuring structural integrity through rigorous wind pressure analysis and material optimization.

Core Capabilities

Analysis Features

- Full-stress structural analysis
- Wind pressure segment analysis
- Load calculation for auxiliary components
- Single-base and multi-tower modeling
- Multi-leg configuration support
- Material selection optimization

Data Management

Input & Management Modules

Node Distribution Tables, Component Data Management, Material Databases, Insulator String Configuration, Interactive Data Tables

Technical Specifications

Supported Material Types

High-Strength Steel (H) • Ordinary Steel (S) • Angle Steel Specifications

Software Version

¥2.00 (2007.02.06)

Design Interface

System Functions

- Tower Design Wizard
- Advanced Editing Operations
- Calculation/Result/Drawing Generation
- Component Inspection
- Automatic Material List Verification

Structural Components

Structural Data Parameters

Parameter	Description
SMC	Steel Material Code (High-strength/Ordinary)
Bolt Grade	Standardized bolt classification for verification
Node Input	Dual-method node entry system
Load Calculation	Auxiliary material horizontal/vertical plane analysis