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**StruCad**, the World's Leading 3D Structural Steel Detailing System offers advanced 3D Parametric Solid Modeling allowing structures to be modeled with speed and accuracy using automatic connections. Accurate drawings and reports automatically generated together with CAM data for CNC machinery. Designed to integrate with analysis and fabrication management systems. [www.strucad.com](http://www.strucad.com).

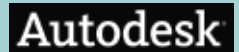


ADAPT-BIM Technology, originally developed for challenges of modeling P/T, is now used to enhance RC design. **ADAPT-Builder's Dynamic Rebar Design**® feature offers engineers the first fully interactive reinforcement design capability for beams, floor systems, and mat foundations. Fully editable 3D rebar objects can be transferred from ADAPT to Revit® Structure. [www.adaptsoft.com](http://www.adaptsoft.com).



The **ADINA** System offers a one-system program for comprehensive finite element analyses of structures, including thermal effects, incompressible and compressible fluid flows with heat transfer, and fluid flows fully coupled with structures, with full pre/post-processing capabilities, as well as interfaces for Parasolid-based CAD, I-DEAS NX, MSC.Patran, Nastran, and IGES. [www.adina.com](http://www.adina.com).

**Revit Structure**, the Autodesk building information modeling (BIM) solution, provides structural engineers with a more efficient way of working, using integrated modeling for structural design, analysis, coordination, and documentation. As a result, customers turn ideas into competitive advantage, become more productive, streamline project efficiency and maximize profits. [www.autodesk.com](http://www.autodesk.com).



**Axiom's** number one priority is our clients' success. We develop innovative accounting and project management software for A/E firms. Our 20 years of A/E experience allows us to provide exceptional client service and integrated solutions that move beyond generic accounting products and improve productivity, increase profitability, and empower success. [www.axiumae.com](http://www.axiumae.com).

Bentley's Research Engineers Solutions Center is pleased to announce the release of **STAAD.Pro 2007** – a comprehensive structural analysis program for static, dynamic, or pushover analysis of virtually any structure. Key features and enhancements include integration with RAM Connection for steel connection design and additional advanced analysis features. [www.bentley.com/structural](http://www.bentley.com/structural).



**CADRE Pro 5.1** finite element structural analysis for plate and/or beam type structures is now designed for the Microsoft .Net environment with many new features and design aids. Additional supporting applications include **CADRE Profiler** section designer, **Rescol seismic**, **CADRE Geo** geodesic designer, and **CADRE Flow** for piping system design. [www.cadreanalytic.com](http://www.cadreanalytic.com).

The upcoming **Version 11** release of **SAFE** will offer major enhancements in the modeling, analysis, design and drafting of post-tensioned and reinforced concrete slabs and mats. Support for the latest domestic and international design codes is included. Contact: Computers & Structures, Inc., [www.csiberkeley.com](http://www.csiberkeley.com), [sales@csiberkeley.com](mailto:sales@csiberkeley.com), or (510) 649-2200 option 1.



**CMD06** is used for the structural design of reinforced concrete hollow unit masonry elements in accordance with the provisions of the 2003 or 2006 edition of the International Building Code (IBC) and the 2005 edition of the Building Code Requirements for Masonry Structures (MSJC). Go to [www.cmacn.org](http://www.cmacn.org) for full description/ordering.

**Multiframe** is a fully graphical structural engineering design and analysis software for 2D and 3D modeling. The latest update to **Multiframe**, released in September, includes over 30 enhancements. Chief among these is the addition of buckling analysis, results enveloping and the AISI steel code. [www.daystarsoftware.com](http://www.daystarsoftware.com).

**LGBEAMER v7 Pro** provides modeling and design of cold-formed cee's, channels, zee's and Structural HSS shapes with uniform, concentrated, partial span, sloping and axial loads. Single, boxed, back-to-back and built-up cee and channel members can be designed. Also includes framed openings (header, sill and jamps), shearwalls, x-braces and general interactions. [www.devcosoftware.com](http://www.devcosoftware.com).



The widely-used FREE **Decon Studrail** software has recently been upgraded to **Version 3.0**. The updates include references to ACI 318-05 and ACI 421.1R-99, as well as a modernized user interface. Round columns and a wider variety of openings are also handled by this new software. [www.deconusa.com](http://www.deconusa.com).



**Dimensional Solutions'** products now support many international concrete design codes such as Euro, Indian and Singapore codes in addition to the US, British and Canadian codes, allowing you to complete your domestic and international foundation design projects in minutes. To experience significant design time-savings, download free trial versions from [www.dimsoln.com](http://www.dimsoln.com).

**GT STRUDL Version 29.1** software update, from the Georgia Tech-CASE Center, implements an improved solver (**STIFFNESS ANALYSIS GTSES**) which allocates all available virtual memory to its own execution process further increasing the size of static analysis models that can be solved and the efficiency with which they are solved. [www.gtstrudl.gatech.edu](http://www.gtstrudl.gatech.edu).

**PROFIS**, the most complete anchor design program available, is free to download. It supports allowable stress design (ASD) and strength design according to ACI-318-02 Appendix D of mechanical and adhesive Hilti anchors with ICC-ES reports for cracked concrete and seismic applications. Online updates guarantee the immediate availability of new reports. [www.us.hilti.com/strengthdesign](http://www.us.hilti.com/strengthdesign).



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Navigate your way through the 2006 International Building Code with ease. **I-Quest** enables you to do multiple searches, use hyperlinks to other code sections, copy and paste text and figures, bookmark frequently used code sections, and add your own searchable notes. [www.iccsafe.org](http://www.iccsafe.org).



LEAP® Software is a pioneer in software development for structural engineering analysis and design. **LEAP® Bridge** is the fully integrated bridge geometry, substructure & superstructure analysis, design & load rating application for concrete bridges. LEAP's signature Building analysis & design products, **PRESTO®** & **AXSYS®** continue to lead integration with BIM systems. [www.leapsoft.com](http://www.leapsoft.com).

**LUSAS** is used for all types of structural analysis including seismic, fatigue, blast, buckling, impact and fire. It is employed on a full range of structures from simple slabs, buildings, frames, masts, towers and tanks through to heavy civil engineering structures such as cooling towers, dams and tunnels. [www.lusas.com](http://www.lusas.com).

Structural engineers' ultimate finite element analysis suite with built-in CAD geometry modeler and shell & solid auto mesh generators. Analyses for Linear Static, Dynamic, Eigenvalue, Construction stage, Material & Geometric Nonlinear with Concrete Crack Model with Reinforcement and Tendons, Interface Elements and Contact, Fatigue and Heat of Hydration are included. <http://eng.midasuser.com/fea/>.

The popular software "**Structural Masonry Design System Ver. 4.1**" has been updated to include 2006 IBC design provisions including IBC alternate load combinations for allowable stress design. Also performs '95-'05 MSJC and previous edition IBC designs. Includes ASD, SD, clay and concrete masonry design, shear walls, lintels, and columns. [www.ncma.org](http://www.ncma.org).

**Newforma Project Center** is project information management software designed for architects, engineers, constructors and owners to manage project information, communicate with team members and streamline project processes. It improves productivity by reducing time spent performing daily administrative tasks such as filing email, searching for information, packaging transmittals and managing issues. [www.newforma.com](http://www.newforma.com).

**DESCONWIN** designs shear and moment connections of beams to W-Column, Girder, HSS Column, and beam and column splices. **DESCONBRACE** designs connections of braced frames. Seismic, Non-Seismic, prequalified seismic connections are included. Both programs generate detailed calculations, drawings, DXF files. ASD and LRFD versions are available in US and metric units. [www.Desconplus.com](http://www.Desconplus.com).



**Opti-Mate** software titles include: **Merlin Dash** for steel and prestressed concrete girders, **Descus I** for curved steel I-girders, **Descus II** for curved steel box girders, **TRAP** for trusses and **SABRE** for sign structures. The programs include dead and live load analysis with AASHTO WSD, LFD or LRFD code checks or ratings. [www.opti-mate.com](http://www.opti-mate.com).

**GRLWEAP** predicts pile driving stresses, hammer performance, the relation between pile bearing capacity and blow count and total pile driving time. Helps select the optimal hammer for each pile and soil condition and formulate a driving criterion. [www.pile.com](http://www.pile.com).

**POSTEN & CONCRET** – The most Comprehensive (and Easy to Use) Post-tensioned & Reinforced Concrete Software. **POSTEN** actually designs the Tendons for you automatically, efficiently, the First Time (no fiddling, no time wasting) with the most exacting design procedures. The ONLY Post-tensioned Lateral Force Concrete Frame Design Program. [www.postensoft.com](http://www.postensoft.com).

**POWER-CALC**: A comprehensive anchor capacity calculator – currently web based and available to support "Allowable Stress Design" (ASD) - will be available to support "Strength Design" per ACI-318-02/05 Appendix D by 1st quarter 2008 – SD software will be download and install capable – ASD and SD software extraordinarily easy to navigate – is complete without being overly complex or unmanageable. [www.powers.com](http://www.powers.com).



**Retain Pro 2007** designs nearly any retaining wall in minutes, concrete or masonry, nearly any configuration and loading condition, including seismic. New in version 2007: Segmental retaining walls, pier foundations, LRFD for masonry, equation solver menu, and more. For features, demo: [www.retainpro.com](http://www.retainpro.com). Upgrade discounts. No waiting with immediate download.

**RISA-3D** designs and optimizes steel, concrete, wood and light gauge steel with a fast, intuitive interface. State of the art solution algorithms, customizable reporting options and robust integration with other products such as **RISAFloor**, **RISAFoundation** and **Revit Structure** make RISA-3D the premier choice for general purpose structural analysis and design. [www.risatech.com](http://www.risatech.com).



Robobat has released **Version 20.1** of the **Robot Millennium** structural analysis and design software. Highlights include an enhanced bi-directional integration with Revit Structure. Revit Structure users can also take advantage of "Revit Extensions", a series of applications, written by Robobat, that extend and enhance the Revit Structure product. [www.extensions4revit.com](http://www.extensions4revit.com)

The Simpson Strong-Tie **Anchor Tiedown System (ATS) Selector** software helps engineers choose the most effective lateral force-resisting system for multi-story wood structures. Users can easily create a standard system design or customize it to meet specific project needs. It includes CAD drawings, calculations, installation details and elevation drawings. Visit [www.strongtie.com/ats](http://www.strongtie.com/ats).



Structural Analysis, Design & Detailing Software for RC Buildings as per Indian/BS/ACI standards. Automated Seismic/Wind load analysis & design. Automatically generates detailed design drawings in dxf format from design results. Import/export facility with other structural software. Compatible with Revit Structures. 4000+ users worldwide. [www.softtech-engr.com](http://www.softtech-engr.com).

**Strand7** is a sensibly priced, general purpose, finite element analysis system developed in Australia. Strand7 is a Windows® native system comprising pre-processing (including import and auto-meshing capabilities), solvers (linear and non-linear static, dynamic and heat transfer) and post-processing functions. An API is available for interfacing Strand7 to external programs. [www.strand7.com](http://www.strand7.com).

**STUD Pro** automates the steel design and fabrication process ensuring accuracy and saving you time and material costs. Wall panel stud arrangements, floors and roof stud layouts including trusses are generated automatically in AutoCAD architecture. Steel studs and framing delivered as a complete numbered kit including assembly instructions. CNC communication. [www.strucsoftsolutions.com](http://www.strucsoftsolutions.com).

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**Structural Desktop**, with its library of sections, integrates the graphical power of AutoCAD into your analytical modeling software, creating analytical and solid models, material lists, and finished plan and elevation drawings in a few seconds. By reducing costs and errors Structural Desktop can pay for itself in a single project. [www.structuraldesktop.com](http://www.structuraldesktop.com).

**FloorVibe** is Windows® based software for the analysis of floor vibrations. Analyses for walking and rhythmic excitations and for effects on sensitive equipment are based on AISC DG 11. Data bases for hot-rolled sections, an castellated beams and design procedures for joists. (Structural Engineers, Inc. of Virginia) [www.floorvibe.com](http://www.floorvibe.com).

**Tekla Structures** is the BIM solution that supports structural engineering and detailing within one 3D model - covering the whole structural design process from conceptual design to construction. [www.tekla.com](http://www.tekla.com).

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