

MAYA HEAT TRANSFER TECHNOLOGIES LIMITED

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Overseas Offices: MAYA is represented worldwide by Structural Dynamics Research Corp (SDRC). Please contact our Montreal office for more information.

Product/Services: TMG - Thermal Analysis Software, Engineering Services

TMG is a comprehensive thermal modelling and analysis package which can solve complex, non-linear and transient heat transfer problems using a geometry-based finite difference modelling approach. The program incorporates facilities to model heat transfer by conduction, radiation, convection, fluid flow, and phase change, as well as special features for the analysis of spacecraft. MAYA also offers an interface to the SDRC I-DEAs Finite Element Modelling System. I-DEAs TMG has been successfully applied in a wide range of industries including space and aerospace, electronics, hydroelectric and nuclear power, metals, and several others.

MAYA also offers **Engineering services** in the field of thermal engineering. These include consulting, training, thermal design and analysis, the development of specialized software products. In particular, MAYA offers comprehensive capabilities in the area of spacecraft thermal engineering.

Keywords: Thermal Modelling, Thermal Analysis, Radiative Heat Transfer, Orbital Heating Analysis, Thermal Engineering.

Recent Successes: TMG is currently installed at over 200 sites, with significant success in export markets. Many clients are leading aerospace and defence firms including Rockwell, Lockheed, Hughes Aircraft, General Electric, TRW, NASA, BAE, SEP, Mitsubishi, Thomson, Matsushita and several others.

Engineering Services contracts have included an LSS Test Technology Study for SBR program, thermal analysis R&D for the Canadian Space Agency, and consulting on the Canadian RADARSAT and Space Station Programs. MAYA has also provided thermal analysis training for a large number of firms in Canada, the U.S. and Europe.

Of Special Note: MAYA has a very active R&D program and would be interested in collaborative development projects.