



Article Side

Cadtek can provide precise finite element analysis by [Julia Roger](#)

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What is Finite Elemental Analysis?

Finite Elemental Analysis is a numerical technique that is used to find approximate solutions for a number of partial differential equations. This process is used for solving integral equations for a number of different processes. Finite Elemental Analysis finds the solutions by either eliminating the differential equation altogether, or rendering the PDE into an approximating system of ordinary differential equations.

Cadtek has a dedicated team of innovators that have an intricate knowledge of Finite Elemental Analysis and use the process actively in the design process. This allows us to create technology with cutting edge precision and is sure to elevate us above the competition.

We use a very specific type of Finite Elemental Analysis that involves the study of algorithms which use numerical approximation as opposed to symbolic manipulations. This specific method of Finite Elemental Analysis is integral for approximating mathematical analysis for equations that are clearly distinguished from discrete mathematics.

Finite Elemental Analysis has a rich history that dates all the way back to ancient times. Carvings have been found in rock faces that contain significant sexagesimal numerical approximation carved into rock. It is this exact numerical approximation that has developed into today's modern form of Finite Elemental Approximation and it is this process that has allowed us to calculate partial and differential equations for complicated domains, such as you'll find in cars and oil pipes, and in environments where the domain changes, like you'll find when a solid state is introduced to a moving boundary.

For a deeper look at Finite Elemental Analysis, or indeed any other of the processes, products or services that Cadtek is actively involved in, such as computational fluid dynamics, then you need only come and visit us online at: www.cadtek.com. Here you will find information about our design services, support, products, services and the training seminars that we run across a whole range of our products and services.

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a [Finite Element Analysis](#) (FEA) has to be carried out with the utmost care and attention to detail if it is to be successful. At cadtek.com we specialise in a [computational fluid dynamics](#) which are in high demand!

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Finite Element Analysis, computational fluid dynamics