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## **Theoretical Introduction To Numerical Analysis**

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Numerical analysis is an area that studies computer algorithms to get approximate solutions for mathematical problems. It is used to compute

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integrals and solving partial differential equations. It can also solve problems in linear algebra. Today, there are many famous numerical analysts such as Leonid Kantorovich.

### **Numerical analysis - Wikipedia**

So what is Numerical Analysis? It's the down-and-dirty methods of approximation and interpolation of equations that don't have closed-form mathematical solutions. Just about every real-world problem in material engineering from pipe flow, wing design, convection currents to multivariate econometrics have to resort to numerical approximations.

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