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relationship between the interacting conditions. This is synonymous with writing the equation, where every dimension is assumed to be a constant: In Civil Engineering, a distributed load is expressed as a constant in units of load per unit distance.

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~~Use of integral calculus in engineering~~

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methods to utilize materials and forces of nature for the benefit of humanity. Civil engineers create buildings, industrial plants and

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Fractional Calculus (FC) goes back to the beginning of the theory of differential calculus. Nevertheless, the application of FC just emerged in the last two decades, due to the progress in the area of chaos that revealed subtle relationships with the FC concepts.

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