## Applications of Engineering Mathematics in Real Life Civil Engineering: Practical Examples

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Conference paper | First Online: 25 February 2022

390 Accesses

Part of the Springer Proceedings in Energy book series (SPE)

## Abstract

Mathematics is part of our day-to-day life. Many field works employ extensive use of mathematics knowingly or unknowingly. Engineering field cannot be imagined without involvement of mathematics, and it forms the backbone of mother branch 'civil engineering.' For many peoples, applying mathematics to engineering problems found a little difficult. The reason behind this, in most of cases, civil engineering problems are not discussed with respect to their compatibility with basic mathematics which makes difficult for people to understand interlinking. The aim of this paper is to exhibit some applications of mathematics to various fields of civil engineering. Some simple and basic examples are discussed to build a bridge between civil engineering and engineering mathematics. This paper is divided into three case studies. Each case study represents application mathematics with examples in