

COLLOQUIUM CRM

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Industrial Mathematics: A Case Study Approach

Abstract:

The best way to learn mathematical modeling is by example, and this is even more so for industrial mathematics, where examples typically involve case studies. In this talk, I will go through several case studies, mostly from the Canadian Study Groups.

They range from traditional manufacturing ones to less traditional ones in other sectors of the economy. For this type of problem driven mathematics, the outcomes are not always research papers, but could be patents and reports. The main message I'd like to convey is that despite the diversity of the practical problems, they usually lead to interesting mathematics questions. And they are always fun.