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Research Article

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## An Advantageous Numerical Method for Solution of Linear Differential Equations by Stancu Polynomials

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In this study, a numerical method that is alternative to the Bernstein collocation method has been investigated for solution of the linear differential equations. The theory of the method has been constituted by considering the Stancu polynomials and their algebraic properties. The applicability of the method has been indicated on initial and boundary value problems. I

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Review Article

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## Industry 4.0 and Lean Manufacturing, using the MAUT Method

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Author(s): Tardio Paulo R\*, Nasario Miquele, Schaefer L Jones and Nara Elpidio OB

Industry 4.0 covers a wide range of areas, such as production processes, efficiency, data management, consumer relationships, and competitiveness. It is also becoming a topic of academic study, with researchers and scholars exploring various questions related to this revolution. Furthermore, the text mentions the Toyota Production System, which promotes efficiency a ...

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Commentary

## **Journey to Quality 6.0: Evolution of quality management across industrial revolutions**

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This article explores the development of industrial revolutions and their relationship to the evolution of quality management from the first to the fifth revolution. The analysis covers significant changes in manufacturing processes, technologies, and business models that shaped the concept of quality in industry. Special emphasis is placed on the transition from manu ...

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