

CRUNCH Seminars at Brown, Division of Applied Mathematics

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Literature Review: ChatGPT in Science

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Many papers have attempted to assess the capabilities and potentials of ChatGPT across various scientific disciplines. However, most of these studies primarily focus on discussions without contributing to the modification or enhancement of the outcomes. This presentation will provide an overview of papers that suggest novel frameworks or implement extensions to ChatGPT, specifically aimed at addressing field-related issues in areas such as medicine, machine learning, engineering, and geophysics. The talk will delve into the advancements and innovations surrounding ChatGPT, highlighting how researchers and experts have adapted the tool to cater to unique requirements and challenges in their domains. This exploration of ChatGPT's potential can inspire scientists and engineers to optimize its use in their respective fields and encourage cross-disciplinary collaborations.