

Review of: "Shear performance of polypropylene fiber reinforced high-strength self-compacting concrete beams"

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Potential competing interests: No potential competing interests to declare.

Here are my comments about this article.

1. Elaborate on the experimental processes, specifically focusing on the testing methods used to assess fresh concrete qualities and the arrangement for beam testing. This will improve the study's repeatability and aid readers in comprehending the experimental process.
2. Utilize statistical studies like ANOVA or regression analysis to confirm the significance of the observed differences in experimental outcomes. This would enhance the dependability of the conclusions derived from the data.
3. Enhance the discussion section by providing a more thorough comparison with prior studies on related subjects. This may entail examining variations in techniques, experimental results, and implications for real-world applications.
4. Discuss the practical consequences of the research findings for engineering practice. Examine how the impact of polypropylene fibers on concrete characteristics might guide the development and building of reinforced concrete buildings in practical situations.
5. End the paper by proposing recommendations for future research paths derived from the current study's results. This may entail suggesting further trials to address unresolved queries or studying the extended durability of polypropylene fiber-reinforced concrete in various environmental settings.