

**WCTE 2018**  
WORLD CONGRESS TECHNICAL ENGINEERING

**ACCURACY EVALUATION OF GAMMA METHOD FOR DEFLECTION PREDICTION OF PARTIAL COMPOSITE BEAMS**

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**ABSTRACT:** In this paper, the accuracy of the gamma method for predicting the deflection of partially composite beams is evaluated. For this purpose, the gamma method is compared with the finite element method (FEM) and the experimental results. The results show that the gamma method is a simple and accurate method for predicting the deflection of partially composite beams. The gamma method is compared with the FEM and the experimental results. The results show that the gamma method is a simple and accurate method for predicting the deflection of partially composite beams.

**KEYWORDS:** Partial Composite Beams, Deflection Prediction, Gamma Method, FEM, Experimental Results

**1. INTRODUCTION**

Partially composite beams are widely used in the construction industry. The deflection of these beams is a critical design parameter. The gamma method is a simple and accurate method for predicting the deflection of partially composite beams. The gamma method is compared with the FEM and the experimental results. The results show that the gamma method is a simple and accurate method for predicting the deflection of partially composite beams.

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