



UNIVERSITY OF MIAMI  
COLLEGE of  
ARTS & SCIENCES

## Miami Physics Conference 2023

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**Date:** Dec 13-19, 2023  
**Location:** LagoMar Resort  
**Affiliation:** University of Minnesota

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# Why the Landau Theorem Fails in Asymptotically Free Field Theories

## Abstract

I briefly review the implications of the Landau theorem in quantum field theory and then reveal the reason why Yang–Mills theories as well as some other AF theories can violate it. Our analysis shows in which class of theories one can search for yet unknown renormalizable AF QFTs.