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Document Sections

I. Introduction

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II. The Proposed Modified Whale Optimization Algorithm

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Abstract:

III. System Under Study

This paper proposes the modified methodology for the Whale Optimization Algorithm (WOA) which improves the first procedure known as Modified WOA algorithm. The modification is established by introducing some correction factors as CFI, CF2 to the original WOA algorithm. In the subsequent stage, the real application of the proposed approach in this field is finished by structuring an AFPID controller for frequency regulation of a Distributed energy power generation system DEPS. The DEPS incorporates renewable sources like photovoltaic, wind and storage gadgets. It is seen that MWOA based AFPID controller is increasingly compelling for the frequency control.

IV. Controller Structure and Objective A. Afpid Controller

V. Result and Discussion