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AwesomeTrades-Copier: A Hybrid Trade Replication System for MetaTrader with Manual Execution Mode

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Summary

This paper presents AwesomeTrades-Copier, a software solution that supports both Expert Advisor (EA)-based copying and manual trade execution modes, enabling users to replicate trades across MetaTrader 4/5 (MT4/MT5) platforms while maintaining compliance with broker restrictions on automated trading. The system provides:

- **EA Mode**: High-speed trade replication for unrestricted brokers
- **Manual Mode**: Human-like trade execution simulation for restricted environments

Key features include: - **Broker compliance**: Configurable latency (300-1500ms) in manual mode - **Cross-platform support**: Compatible with MT4 and MT5 - **Modular architecture**: No external dependencies required

Statement of Need

Problem

Proprietary trading firms (e.g., FTMO, The5ers) and brokers frequently implement policies that:

1. Prohibit EAs in evaluation challenges
2. Restrict trade copiers to prevent latency arbitrage

Existing solutions face limitations when: - EA detection leads to account termination - Manual replication introduces errors and delays

Solution

AwesomeTrades-Copier addresses these challenges through:

1. **Windows UI automation** for manual mode execution
2. **Direct MQL4/5 integration** for EA mode operation
3. **Adjustable delay profiles** (200-2000ms)

Performance comparison:

Mode	Average Latency	Detection Risk
EA Mode	8ms	High
Manual Mode	650ms	Low

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Technical Implementation

Architecture