

Incident-Arena: Getting agents to the last nine of reliability

PRIMARY

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Assessment. The work's own record. Front matter read directly for authors and affiliations; the abstract read verbatim for the task count, the substrate count and the 64.3% headline. The abs page was rate-limited on a second request, so the HTML full text was used for the body figures and is archived separately.

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Front matter

Title. Incident-Arena: Getting agents to the last nine of reliability

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Abstract, verbatim

AI coding agents are ubiquitous in software engineering workflows in both academia & industry. Yet, despite their use in app coding, relatively less attention has been paid to their ability to execute on production incident response...we introduce Incident-Arena, a human-built benchmark of 20 carefully selected tasks grounded in real-world deployed open source software. Each task deploys a production application to an ephemeral Kubernetes cluster, injecting parameterizable faults, and a sustained load profile given the task requirements...Across 20 human-built tasks and 3 application substrates, the best model configuration passes at 64.3%, with failures extending from diagnosis/localization errors, through incomplete repairs and unsafe regressions.

Identifier check

The YYMM of the identifier (2610) is consistent with a 30 September 2026 submission, and the title on the record matches the story. The adjacent record 2610.00651, Agent Evaluation Reliability: More Tasks Won't (Always) Fix An Agent Leaderboard, is a different paper on a neighbouring subject and was set aside; no figure in this edition comes from it.