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VISOR: A Fast Image Processing Pipeline with Scaling and Translation Invariance for Test Oracle Automation of Visual Output Systems

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**Highlights**

- A test oracle automation approach proposed for systems that produce visual output.
- Root causes of accuracy issues analyzed for test oracles based on image comparison.
- Image processing techniques employed to improve the accuracy of test oracles.
- A fast image processing pipeline developed as an automated test oracle.
- An industrial case study performed for automated regression testing of Digital TVs.

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