Glitch and its solutions

Computer Graphics Seminar
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Glitches

WHAT IS GLITCH?

A glitch is a short-term fault in a system. It is often used to describe a transient fault that corrects itself, and is therefore difficult to troubleshoot.
Texture Glitch

Physics Glitch

https://www.youtube.com/watch?v=ECoxKGmBMmo

https://www.youtube.com/watch?v=K3g2840zXKY
Visual Artifacts

Examples of visual artifacts.

- Image quality factors, different types of visual artifacts
- Compression artifacts
- Digital artifacts, visual artifacts resulting from digital image processing
- Noise
- Screen-door effect, also known as fixed-pattern noise (FPN), a visual artifact of digital projection technology
- Distortion
- Silk screen effect
- Rainbow effect
- Screen tearing
- Purple fringing
- Chromatic aberration
- Moiré pattern
- Color banding
Glitches are not only visual

▶ https://www.youtube.com/watch?v=A4INSuaT1os&t=191s
Screen Tearing
Screen Tearing
Vertical Synchronization

https://www.youtube.com/watch?v=BMh9fie7VQU

▶ https://www.youtube.com/watch?v=HL7qfI5EBw
Popping

LOD 1

Close to the Object

LOD 2

Far away from the Object
Jaggies and their solutions

https://www.youtube.com/watch?v=hqi0114mwtY
Fireflies

https://en.wikipedia.org/wiki/Fireflies_(computer_graphics)
THANKS!