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\mathbb{A}^1 curves on Log K3 Surfaces

It is known that there are infinitely many rational curves on almost every projective K3 surface. It is expected that the same holds on every log K3 surface, with rational curves replaced by \mathbb{A}^1 curves. However, there are log K3 surfaces which do not contain any \mathbb{A}^1 curves. Together with Yi Zhu, we classified all genuine log K3 surfaces that contain \mathbb{A}^1 curves and proved that these log surfaces contain infinitely many \mathbb{A}^1 curves.