## <u>Department of Electrical and Computer Engineering</u> <u>University of Rochester, Rochester, NY</u> Ph.D. Public Defense

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Theory, Modeling and Design of the Indirect-Feedback Sigma-delta Image Sensor System

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## Abstract

Then thesis mainly focuses on the theory, modeling and design of the indirect-feedback sigma-delta image sensor and its related system design. An indirect-feedback readout architecture where the digital output of the modulator is accumulated by a differentiable of the modulator is accumulated by a different and the state of the modulator is accumulated by a different and the state of the modulator is accumulated by a different and the state of the modulator is accumulated by a different and the state of the