# Alternative approaches to rapid acceleration of ion beams — harmonic ratcheting for fast RF acceleration and laser driven acceleration of gas jet targets

A Dissertation Presented

by

Nathan Michael Cook

to

The Graduate School

in Partial Fulfillment of the Requirements

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in

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#### Abstract of the Dissertation

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Nathan Michael Cook

**Doctor of Philosophy** 

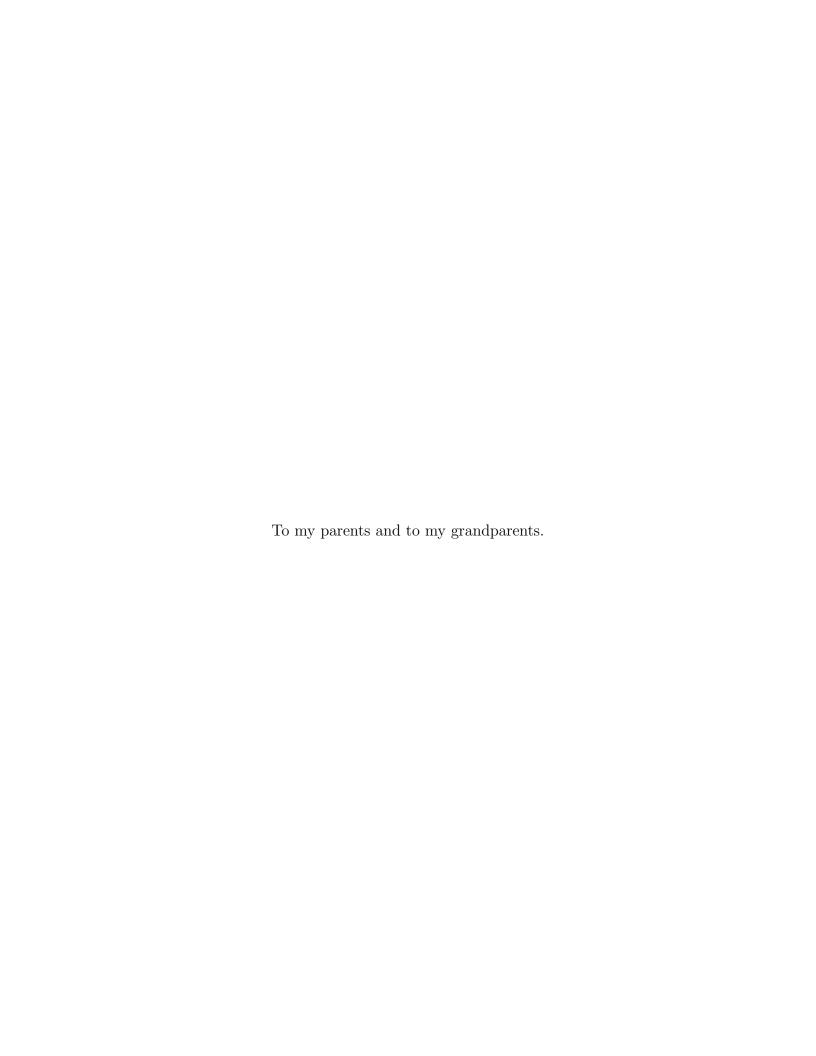
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