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Research School of Astronomy & Astrophysics



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National
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To family, friends, and the wonderful universe we are intimately connected with

Disclaimer

I hereby declare that the work undertaken in this thesis has been conducted by me alone, except where indicated in the text. I conducted this work between October 2019 and March 2023, during which period I was a PhD student at the Australian National University. This thesis, in whole or any part of it, has not been submitted to this or any other university for a degree.

This thesis has been compiled as a Thesis by Compilation in accordance with relevant ANU policies. Each of the 2 main chapters in this thesis have been published in peer reviewed journals. I have made significant contribution to each of these journal articles and have written the text of the papers myself, except where indicated otherwise.

A handwritten signature in black ink, appearing to read "Signature", written over a light grey rectangular background.

[Author Name]

4 May 2023

Acknowledgements

Abstract

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Introduction

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0.1 Thesis Outline

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Chapter 1

Want to know about star formation :) Federrath (2018)

Chapter 2

Conclusions

Bibliography

Federrath, C. 2018, *Physics Today*, 71, 38 (ADS entry)

