Media & Author Background

A concise introduction to Brian C. Solomon, the book, and the SpacePressure proposal.

This page provides journalists, reviewers, researchers, educators, and interested readers with a concise overview of the author, the origin and positioning of SpacePressure, and useful pathways into the wider project.

WHO IS THE AUTHOR?

Brian C. Solomon

Brian C. Solomon is an independent Australian author whose work explores gravity, spacetime, and the way scientific ideas are interpreted and communicated.

Born and raised in Melbourne, he spent much of his working life as an entrepreneur and business founder before turning his longstanding curiosity toward physics, time, and the structure of the universe.

His work is centred not on proposing new equations, but on asking whether familiar physics may sometimes be understood differently — particularly whether aspects of spacetime curvature might also be interpreted in terms of spatial compression and pressure-like response.

Read About the Author

THE PROPOSAL

Author Positioning

One Small Change to Gravity explores a conceptual question:

Could some of what General Relativity describes geometrically as curved spacetime also be interpreted physically as spatial compression and a pressure-like response?

SpacePressure does not alter General Relativity, its equations, or its predictions.

The “one small change” is not to Einstein’s theory, but to the physical picture we place beneath it: the possibility that spacetime curvature may also be interpreted as spatial compression and pressure-like response.

The work is therefore presented as an interpretive proposal, not as a replacement theory. Its purpose is to encourage examination, discussion, and — where possible — eventual formalisation.

My Intentions for the Book

> *This book grew out of a long journey of learning, curiosity, and two moments of insight that changed how I thought about gravity.*
>
> *I do not write as a professional physicist, but as an engaged and deeply curious observer of science.*
>
> *The proposal is not intended to undermine established physics. Quite the opposite: it begins with respect for Newton, Einstein, General Relativity, and the remarkable success of modern physics.*
>
> *What interests me is whether, within what science already knows, there may still be room to reconsider how gravity is physically described and visualised.*
>
> *At its heart, this work is an invitation — not to belief, but to examination and conversation.*

What Kind of Proposal Is SpacePressure?

SpacePressure is presented as:

- A conceptual interpretation of gravity;
- Compatible in intent with General Relativity rather than a replacement for it;
- An attempt to connect physical intuition with established mathematical description;

An idea that remains open to criticism, refinement, mathematical development, and possible rejection.

No belief or endorsement is requested — only thoughtful consideration.

Use of AI

Artificial intelligence tools have been used during the development of this project for activities including research assistance, editorial review, drafting support, illustration, and the organisation of background material.

The SpacePressure concept itself originated with the author.

Responsibility for its interpretation, claims, presentation, and further development remains with the author.

AI-generated responses or summaries are not presented as scientific validation of the proposal.

Is SpacePressure a Return to the Aether?

No. SpacePressure does not propose the restoration of the nineteenth-century luminiferous aether.

General Relativity describes spacetime geometrically, without requiring a fixed mechanical substance through which light travels.

SpacePressure begins within that relativistic framework and asks a different question:

Could some of the geometrical behaviour already described by General Relativity — including changes in distance, volume, geodesic separation, and gravitational-wave

stretching and squeezing — also admit a useful physical interpretation involving compression?

That remains an open interpretive question. SpacePressure therefore does not require spacetime to behave like the old mechanical aether, nor does it replace Einstein's geometry with a material medium.'

FOR JOURNALISTS AND REVIEWERS

A Useful Starting Point

The book and accompanying website are written primarily for the interested general reader rather than the specialist physicist.

They use plain language, diagrams, historical context, and familiar gravitational concepts to explore a simple underlying question:

Could Newton's force and Einstein's curved spacetime be different descriptions of the same physical phenomenon?

The website develops that question progressively — from conceptual history, through early attempts at formalisation, to wider implications and open questions.

Possible Story Angles

+ **What If Newton and Einstein Were Both Right?**
+ **Can Curved Spacetime Also Be Thought of as Compressed Spacetime?**
+ **Did Gravitational Waves Change How We Should Imagine Space?**

+ Why Do We Describe Gravity the Way We Do?

+ Has Physics Already Given Us the Pieces?

+ From Businessman to Gravity Author

Questions the Proposal Opens

If SpacePressure proved to be a useful interpretation, it could invite further questions about:

- Gravitational waves;
- The relationship between gravity and inertia;
- Dark matter and galaxy-scale gravity;
- Dark energy and cosmological expansion;
- Quantum descriptions of gravity;
- String Theory and Loop Quantum Gravity;
- Black holes;
- The physical meaning of spacetime itself.

These are not presented as solved problems or predictions of SpacePressure. They are areas in which the interpretation may be explored and tested for usefulness.

MEDIA RESOURCES

For Media, Editors and Reviewers

Two supporting pages provide more detailed background for anyone considering coverage, interview, review, or further research.

Media Release & SpacePressure Press Kit

A refreshed media resource containing the project overview, media framing, key background material, and practical information for journalists and editors.

Learn More

About the Author

A fuller account of Brian C. Solomon's background, career, personal journey, and the curiosity that led to One Small Change to Gravity.

Read About the Author

CONTINUE EXPLORING

Follow the Six-Chapter Journey

The Media & Author Background page is only an introduction. The main website follows the SpacePressure idea through six connected chapters, beginning with the relationship between Newton and Einstein and progressing through conceptual development, early formalisation, wider questions, and the possibility of a different physical description of gravity.

Readers may follow the complete journey or move directly to the subjects that interest them most.

01

Einstein–Newton: United At Last

Could Newton and Einstein both be right?

Begin the Journey

02

Conceptual Evolution of How We Understand Gravity

How did we arrive at today's understanding?

Continue to Chapter 2

03

Starting the Formalising Process

Can this idea begin to be formalised?

Continue to Chapter 3

04

Further Exploring SpacePressure

What other questions does it raise?

Continue to Chapter 4

05

Has Physics Already Given Us the Pieces?

Has physics already provided the pieces?

Continue to Chapter 5

06

How Gravity Might Be Described If SpacePressure Were Validated

How might gravity be taught if this proved correct?

Continue to Chapter 6

Home FAQ