

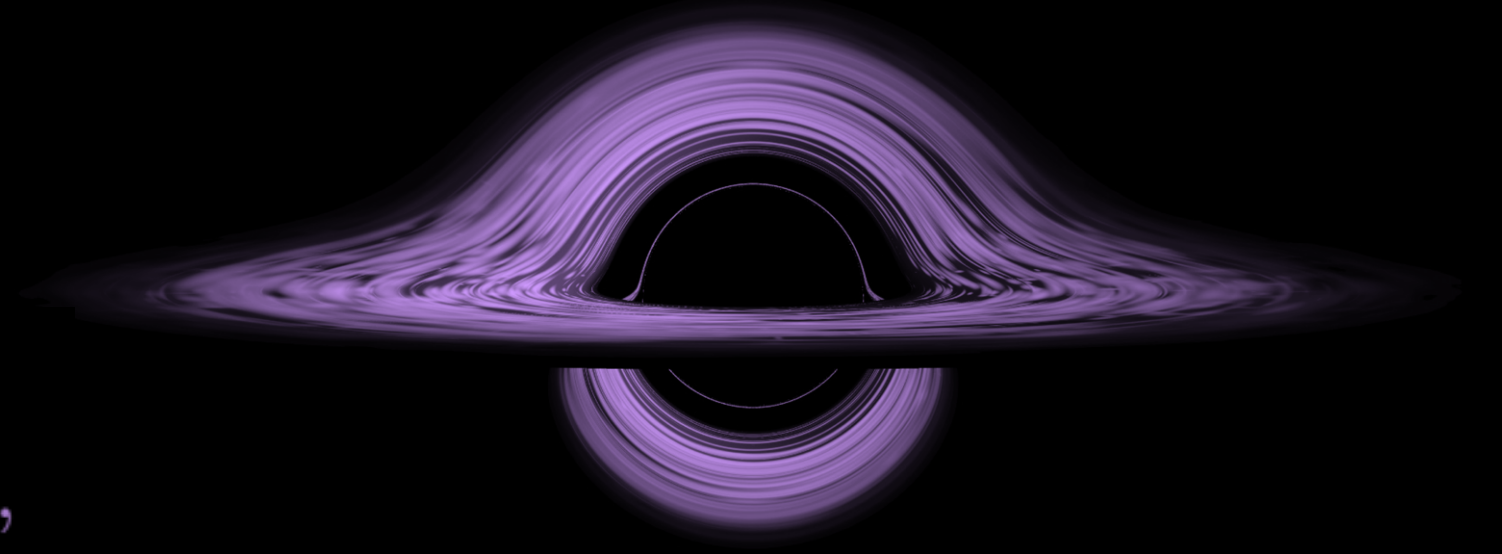


Dr. Byron Brassel

Applied Mathematician

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$$S = \int d^N x \sqrt{-g} \sum_{k=0}^{N/2} \alpha_k \mathcal{R}^k + S_{matter},$$



Research

I work primarily on problems in mathematical physics. These include gravitational collapse, black holes, radiating stars, cosmology, differential geometry and differential equations.

<https://scholar.google.com/citations?user=UcxuAXgAAAAJ&hl=en>

<https://www.up.ac.za/nga-mass/article/3131854/dr-byron-brassel>

Position

I am a Senior Lecturer in the Faculty of Applied Sciences, within the Mathematics Department, at the Durban University of Technology. I am a very passionate individual who is curious about the cosmos. I cannot invest myself into anything in life unless I feel a spiritual connection to it. Whether it is writing the universe down on a piece of paper or teaching a class. This connection must be all encompassing and real.

Societies

1. Council Secretary for the ***South African Gravity Society***.
2. Associate for the ***National Institute of Theoretical and Computational sciences***.

“What are the stars but points in the body of God where we insert the healing needles of our terror and longing?”

~

Thomas Pynchon

The Seychelles

This group of 115 islands are located in the middle of the Indian ocean and are collectively known as the Seychelles. I hold dual citizenship both there and in South Africa. The island country is known for its stunning beaches, flora and fauna.



Hobbies

1. Reading
2. Writing poetry
3. Writing and playing music
4. Teaching
5. Tennis
6. LifeTeen (Catholic Youth)
7. Spirituality
8. Photography

$$\begin{aligned} G_{ab} - \frac{\alpha}{2} H_{ab} &= \kappa_N (T_{ab} + E_{ab}), \\ F_{ab;c} + F_{bc;a} + F_{ca;b} &= 0, \\ F^{ab}{}_{;b} &= \mathcal{A}_{N-2} J^a, \end{aligned}$$

