

# Relativity

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# Pedro's work (80's)

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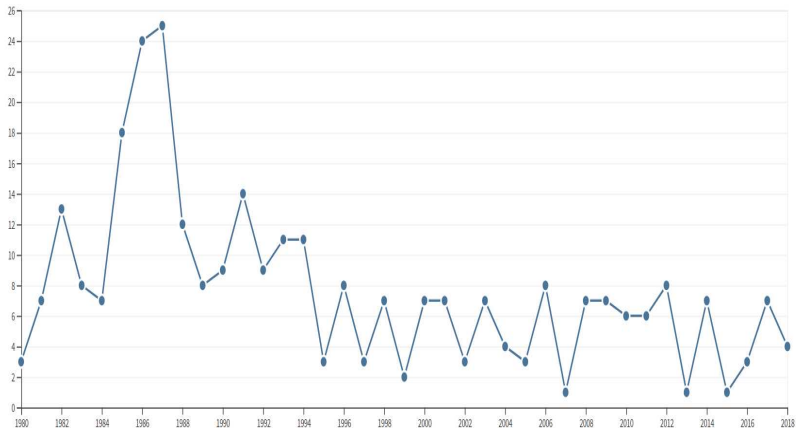
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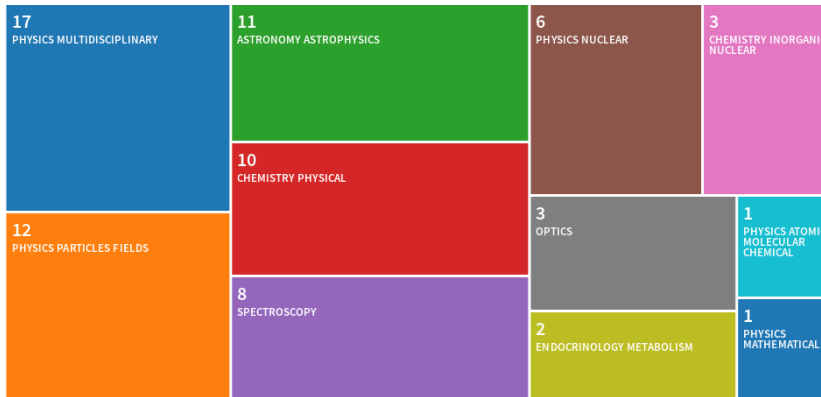
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- 299 total lof citations

# Pedro's work (80's)



Cites received by papers published in 1980-1989

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Topics studied by Pedro in the 80's

## Topics

- Pre-relativity:



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- BH and elementary particles ...

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I do not want to spoil Visser's talk !!



# Some anecdotes

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  - **Do black-holes physically exist, ANNALEN DER PHYSIK Vol. 41,353-356,1984**

It is shown that, if the quantum resolution limit in the region of a collapsing body near the horizon is of the order of the Schwarzschild radius, a black hole in vacuum evaporates instantaneously. Hence white and black holes ought to be physically indistinguishable and should not physically exist.

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## Scientists discover 'black holes' in Earth's oceans

*Some of the largest ocean eddies are mathematically equivalent to the black holes of space, and our oceans are littered with them.*

BRYAN NELSON  
September 29, 2013, 1:11 a.m.

4.5k Tweet 65



The sheer size of the ocean eddies makes it difficult to identify their exact boundaries. (Photo: newscentstvideo/YouTube)

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- 9 of the world's largest dog breeds
- A fox and a snowy owl met on a winter night
- In praise of 'scruffy hospitality'
- 4 things you should know about the Black

Now black holes can be found everywhere !!!

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$$S/E \leq 2\pi R$$

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- **José M. M. Senovilla:** *Area deficits and gravitational energy*
- **Matt Visser:** *Pedro's early work in GR (up to traversable wormholes)*