

## On the nature of Space and time

I. Newton<sup>a</sup>, H. Alfven<sup>b\*</sup>

<sup>a</sup>*Oxford University, Wellington Square, Oxford. OX1 2JD. UK*

<sup>b</sup>*Royal Institute of technology Stockholm, Sweden*

### Abstract

Absolute Space, in its own nature, without regard to any thing external, remains always similar and immovable. Relative Space is some moveable dimension or measure of the absolute spaces; which our senses determine, by its position to bodies; and which is vulgarly taken for immovable space. And so instead of absolute places and motions, we use relative ones; and that without any inconvenience in common affairs; but in Philosophical disquisitions, we ought to abstract from our senses, and consider things themselves, distinct from what are only sensible measures of them. For it may be that there is no body really at rest, to which the places and motions of others may be referred. Absolute, True, and Mathematical Time, of itself, and from its own nature flows equably without regard to any thing external, and by another name is called Duration.

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*\*Corresponding author address: 123 Wavey Street, Stockholm, Sweden.*

*\*Corresponding author E-mail: Alfven@waves.sweden*

*Presenting author: Sir Isaac Newton*

*Presenting author e-mail: Newton@fig.uk*

## **Body of paper**

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## **References**

[1] I. Newton, H. Alfven, J. Nucl. Mater. 1-2 (1803) 160.

## **Figure captions**

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## **Figures**

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