

SIX IDEAS THAT SHAPED

PHYSICS

Unit Q: Particles Behave
Like Waves



Thomas A.
Moore



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information and its exploitation has radically outpaced our theoretical understanding to such a degree that reflection on the foundations may seem futile But it is exactly fields such as quantum information which are shifting the boundaries of the physically possible that make a foundational understanding of information increasingly important One of the recurring themes of the book is the claim by Eddington and Wheeler that information involves interaction and putting agents or observers centre stage Thus physical reality in their view is shaped by the questions we choose to put to it and is built up from the information residing at its core This is the root of Wheeler s famous phrase it from bit After reading the stimulating essays collected in this volume readers will be in a good position to decide whether they agree with this view **Unit Q:**

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
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