

# On Overcoming the Alleged Alienation between Christianity and Physics

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Introduction

1. The Encouragement by Christian Revelation as reflected in the Catholic Magisterium
2. Two Seminal Consequences for Physics

Conclusion

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## Introduction

- The two roles of theology: explanation and encouragement
- Restriction to Catholic theology and Physics
- Their alienation from each other is mainly caused by the opposition of mindsets
- The "strategy": beginning to dissolve the alienation from *within* Physics beginning with ordinary experience as encouraged by Catholic theology

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## 1. The *Encouragement* by Christian Revelation as reflected in the Catholic Magisterium

- possibility of recognizing this world as created (Vat. I, Dei Filius, c.2)
- "sapiential horizon" (JP II, Fides et ratio, 106,2)
- parallelism between the Incarnation of the Word of God and the revelation of Word of God in human language ("The Interpretation of the Bible in the Church")
- remove the "self-limitation of reason" (B XVI, Regensburg lecture)

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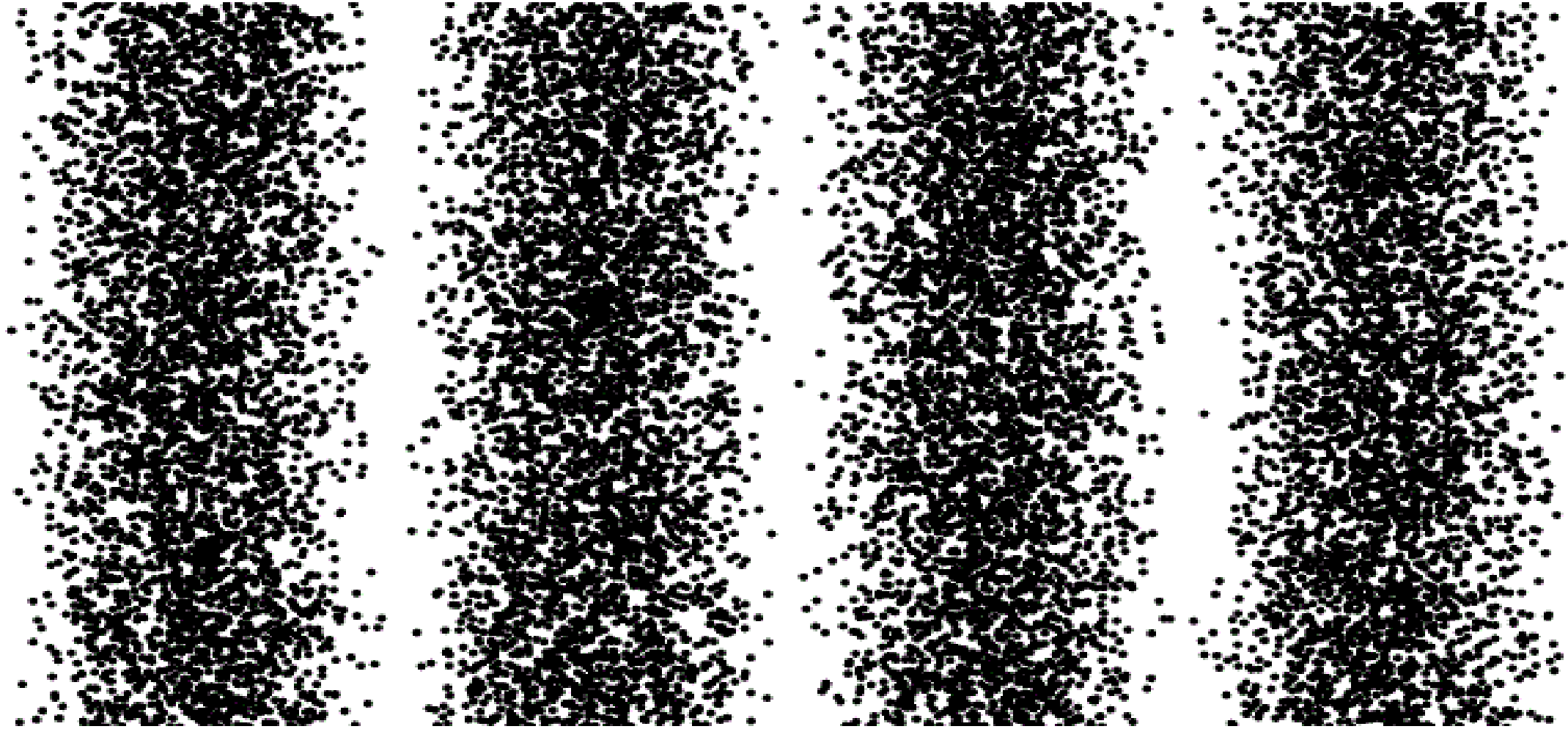
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## 2. Two Seminal Consequences from and for Physics

- *ambivalence* (intrinsic to the method of physics)
- *overinterpretation* of the double slit experiment (see 4\*)  
(logical mistake that constitutes the particle-wave dualism)

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## Conclusion

- Catholic theology has two functions: explanation and **encouragement**
- This encouragement refers to the high cognitive value of human cognitive capacities (unaided by grace): "**trust your eyes and your mind**"
- Two results of that encouragement:
  - **ambivalence** (possibly a way to some insight into the role of mathematics in physics)
  - **particle-wave dualism** (correction of a logical mistake)