Nuclear-powered Shipping

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Abstract

Nuclear power was analyzed as an alternative to fossil fuel combustion for propulsion of large boats. In particular, \dots

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1 Introduction

Introduction

If you wanna cite Jacobs put [1] If you wanna cite Hirdaris put [2] If you wanna cite Holtec put [3]

2 Background and State of the Art

Background and state of the art

3 Conceptual Design

Conceptual design

4 Conclusions

Conclusions

5 Acknowledgments

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References

- [1] J. JACOBS, "Nuclear Short Sea Shipping: The integration of a Helium cooled reactor in a 800 TEU Container Feeder," (2007).
- [2] S. HIRDARIS, Y. CHENG, P. SHALLCROSS, J. BONAFOUX, D. CARLSON, B. PRINCE, and G. SARRIS, "Considerations on the potential use of Nuclear Small Modular Reactor (SMR) technology for merchant marine propulsion," (2013).
- [3] J. R. RUSSELL, "Holtec International Response to the DOE RFI," (2017).