

# Scientific Paper

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## Abstract

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## Introduction

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$$\int_a^b u \frac{d^2v}{dx^2} dx = u \frac{dv}{dx} \Big|_a^b - \int_a^b \frac{du}{dx} \frac{dv}{dx} dx. \quad (1)$$

## Section

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## 1 Section

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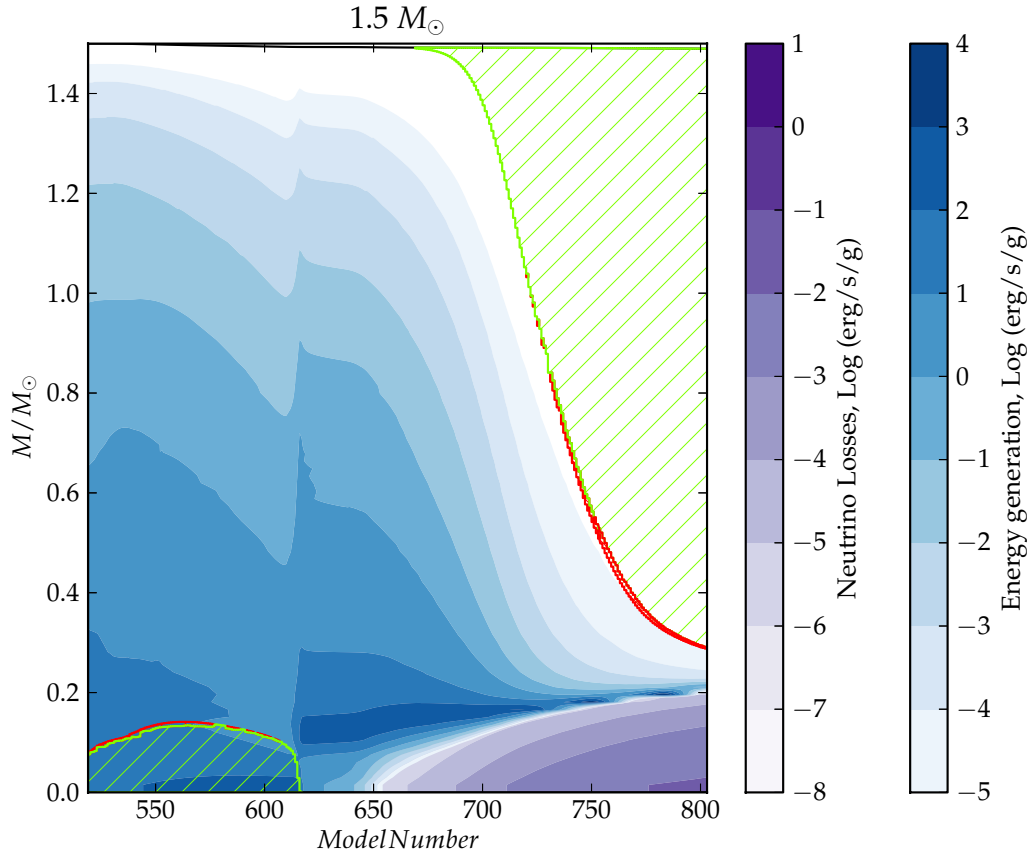


Figure 1: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras egestas auctor molestie. In hac habitasse platea dictumst.  $\hat{f}(\omega) = \frac{1}{2\pi}$  Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras egestas auctor molestie. In hac habitasse platea dictumst. Cras egestas auctor molestie.

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## Non-LaTeX Section

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Table 1: Different quantities and qualities of  $T_{\text{shell}}$

<b>Heading</b>	$r_c$ (km)	$T_{\text{shell}}$ (s)	$t_{\text{waves}}$ (s)	$\mathcal{M}$	$\omega_c$ (rad/s)	$P_{\text{min}}$ (s)	$P_{\text{min,Fe}}$ (s)	$P_{\text{min,NS}}$ (s)
Row	$1.6 \times 10^7$	$4 \times 10^{13}$	$2 \times 10^5$	0.06	$3 \times 10^{-6}$	$2 \times 10^5$	40	$2 \times 10^{-3}$
Row	$9.7 \times 10^3$	$3 \times 10^8$	$10^6$	0.002	$4 \times 10^{-3}$	$2 \times 10^3$	50	$2.5 \times 10^{-3}$
Row	$3.6 \times 10^3$	$4 \times 10^6$	$10^5$	0.004	$2 \times 10^{-2}$	-	-	-
Row	$1.7 \times 10^3$	$7 \times 10^3$	$2 \times 10^3$	0.02	$4 \times 10^{-1}$	-	-	-

varius dapibus augue.

## References

- [1] Shaowu Pan, Zhenxun Gao, and Chunhian Lee. Numerical investigation of rarefaction effects in the vicinity of a sharp leading edge. AIP Publishing LLC, 2014.
- [2] Peter Goldreich and Pawan Kumar. Wave generation by turbulent convection. *The Astrophysical Journal*, 363:694, nov 1990.
- [3] Pawan Kumar, Peter Goldreich, and Richard Kerswell. Effect of nonlinear interactions on p-mode frequencies and line widths. *The Astrophysical Journal*, 427:483, may 1994.