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Analytical and numerical solutions to some one–dimensional relativistic heat equations

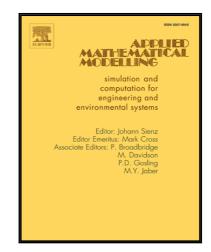
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Highlights

- Analytical solutions to one-dimensional steady relativistic equations are obtained
- Steady relativistic fluxes are higher than non-relativistic ones
- Traveling-wave solutions are obtained analytically
- Numerical solutions show steep temperature fronts and thermal boundary layers
- Corner regions are formed and their temperature is the initial one

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