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Title: An exergoeconomic-based parametric study to examine the effects of active and passive energy retrofit strategies for buildings

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**Highlights**

- Integration of an exergoeconomic method into a retrofit-oriented simulation tool
- A novel exergoeconomic cost benefit indicator is developed for retrofit analysis
- Exergy-based parametric study of active and passive building retrofit strategies
- Active strategies present a better exergoeconomic performance than passive measures
- Using the method, product cost for thermal processes can be substantially reduced

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