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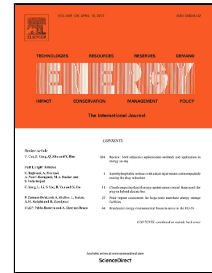
Steam Turbine Injection Generator Performance Estimation Considering Turbine Blade Cooling

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Highlights

- To preserve the temperature of blades material two solutions are proposed
- The first keeps the initial **combustor temperature** and increases the coolant quantity
- The second keeps the quantity of coolant and decreases the **combustor temperature**
- The first solution leads to better results than the second one
- Neglecting blades cooling leads to a considerable power output overestimation

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