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Competing exchange couplings in Sr<sub>2</sub>CrReO<sub>6</sub> Double Perovskite

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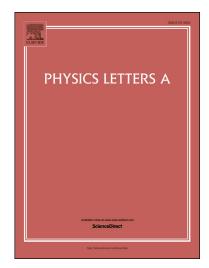
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## Highlights

- New approximation method has been proposed to calculate the exchange couplings in  $Sr_2$  CrReO  $_6$  .
  Monte Carlo simulation has been performed to find the exchange couplings verifying  $T_C^{exp}$ .
- Super Exchange coupling and Double Exchange couplings have been calculated.
- Internal energy per site has been calculated.

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