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Competing exchange couplings in Sr_2CrReO_6 Double Perovskite

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Highlights

- New approximation method has been proposed to calculate the exchange couplings in Sr_2CrReO_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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