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## **Discussion of the Loop Formula for the fermionic determinant**

*Tuesday, July 26, 2016 8:00 PM (1 hour)*

A formula expressing the fermionic determinant as an infinite product of smaller determinants is here derived and discussed. These smaller determinants are of a fixed size, independent of the size of the lattice and are indexed by loops of increasing length. The application of the formula requires convergence considerations.

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