

# Entanglement Production by Evolution Operator

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Entanglement production, generated by an evolution operator is considered. The measure of entanglement production, introduced in Refs. [1,2], is employed. As an illustration, a two-qubit register [3] is studied and the corresponding measure of evolutionary entanglement production is calculated. Such two-qubit registers can be realized by two-mode atomic systems in a double well.

## References

- [1] V I Yukalov, Phys. Rev. Lett. **90**, 167905 (2003)
- [2] V I Yukalov, Phys. Rev. A **68**, 022109 (2003)
- [3] V I. Yukalov and E P Yukalova, Phys. Rev. A **92**, 052121 (2015)