#### Notes on Supersymmetry Breaking

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## Chapter 1

# **Review on Supersymmetry**

#### **Appendix A**

### **Brief notes**

#### A.1 Nelson-Seiberg criterion

There are well-known relationship between R-symmetry and supersymmetry breaking, founded by Nelson and Seiberg [NS93]. In this section, we will summarize their work briefly.

# **Bibliography**

- [Mar97] S. P. Martin, *A Supersymmetry Primer*, 1998, pp. 1-98. arxiv:hep-ph/9709356. http://arxiv.org/abs/hep-ph/9709356.
- [NS93] A. E. Nelson and N. Seiberg, *R Symmetry Breaking Versus Supersymmetry Breaking*, Nuclear Physics B **416** (1994) 46–62, arxiv:hep-ph/9309299.