

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 previous work briefly.

Bibliography

- [Mar97] S. P. Martin, *A Supersymmetry Primer*, 1998, pp. 1–98. [arxiv:hep-ph/9709356](https://arxiv.org/abs/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](https://arxiv.org/abs/hep-ph/9309299).