Untitled

## R Markdown

The basic idea here is that, if is reachable from by reflecting at 0, then , which also means that is reachable from by reflecting at 0. Similarly, if cannot be reached by reflection from , then and also cannot be reached by reflection from . Therefore, the associated proposal density is

We can see that the position of and in this proposal density is exchangeable, which directly leads to the fact that this is a symmetric proposal distribution.

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