

Get data:

[illegible]

[illegible]

[illegible]

```
## Warning message: no non-missing arguments to min; returning Inf
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```

## 1 lme4

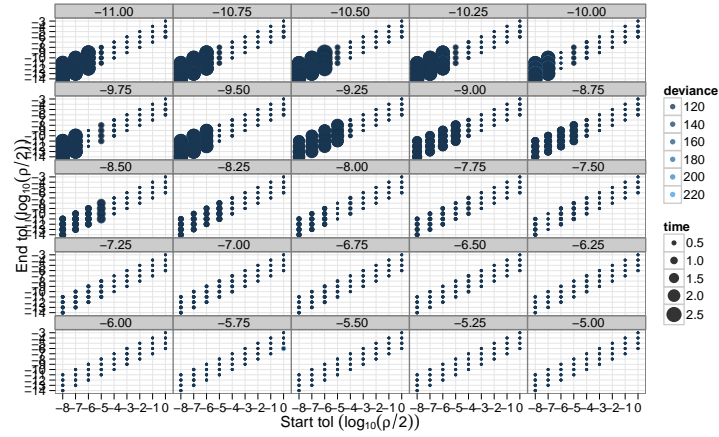
### 1.1 Nelder-Mead

Performance as a function of tolPwrss, nAGQ:

```
## Warning message: no non-missing arguments to min; returning Inf
## Warning message: no non-missing arguments to max; returning -Inf
## Warning message: no non-missing arguments to min; returning Inf
## Warning message: no non-missing arguments to max; returning -Inf
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## Warning message: no non-missing arguments to max; returning -Inf
## Warning message: no non-missing arguments to min; returning Inf
## Warning message: no non-missing arguments to max; returning -Inf
## Warning message: no non-missing arguments to min; returning Inf
## Warning message: no non-missing arguments to max; returning -Inf
## Warning message: no non-missing arguments to min; returning Inf
## Warning message: no non-missing arguments to max; returning -Inf
## Error: Zero breaks in scale for y/ymin/ymax/yend/yintercept/ymin_final/ymax_final
```

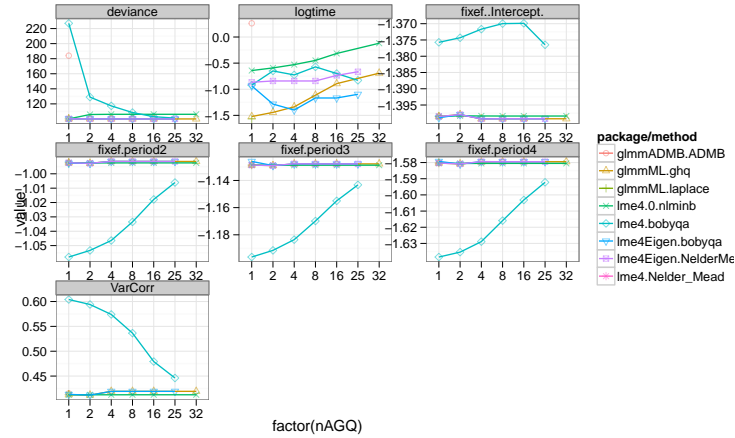
### 1.2 bobyqa

Performance as a function of tolPwrss, rho-beg, rho-end:  
 FIXME: better format!



## 2 Comparison of all approaches

`lme4` uses default settings here (`tolPwrss=1e-11`, `rhobeg=2e-4`, `rhoend=2e-7`).



Without `lme4.0`:

