

Developer

Taqi

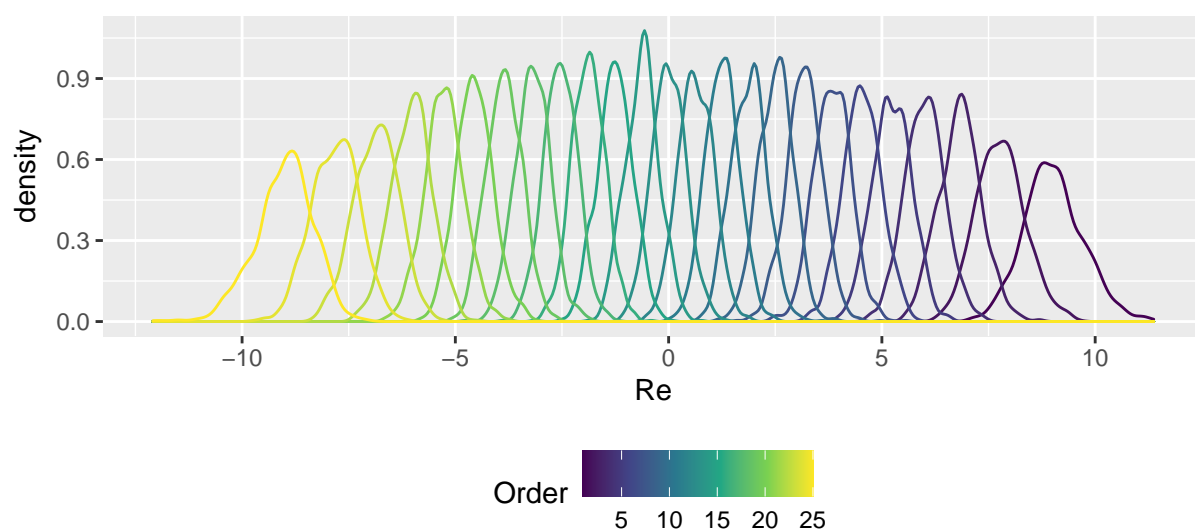
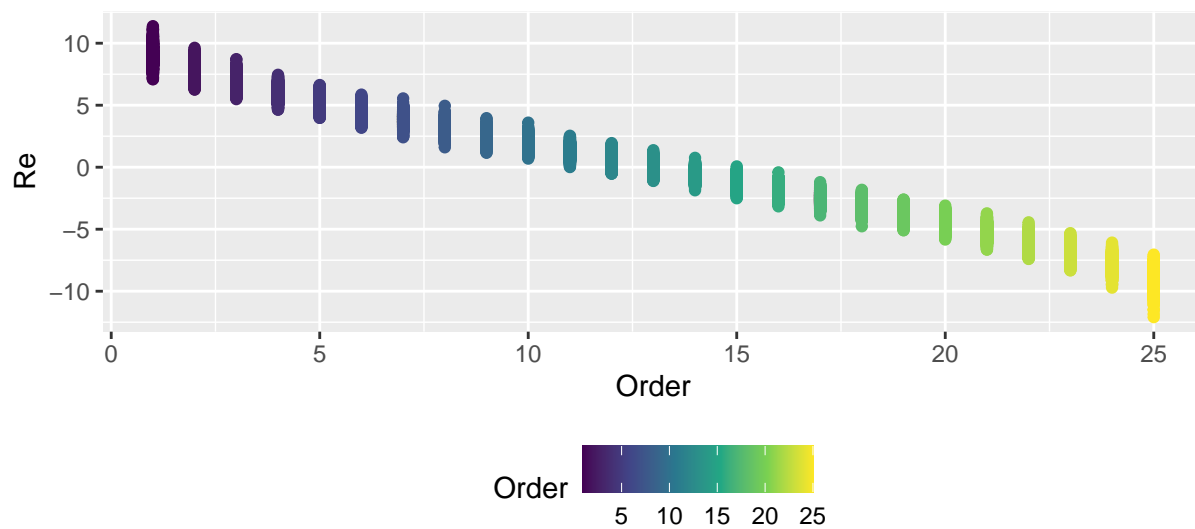
3/9/2021

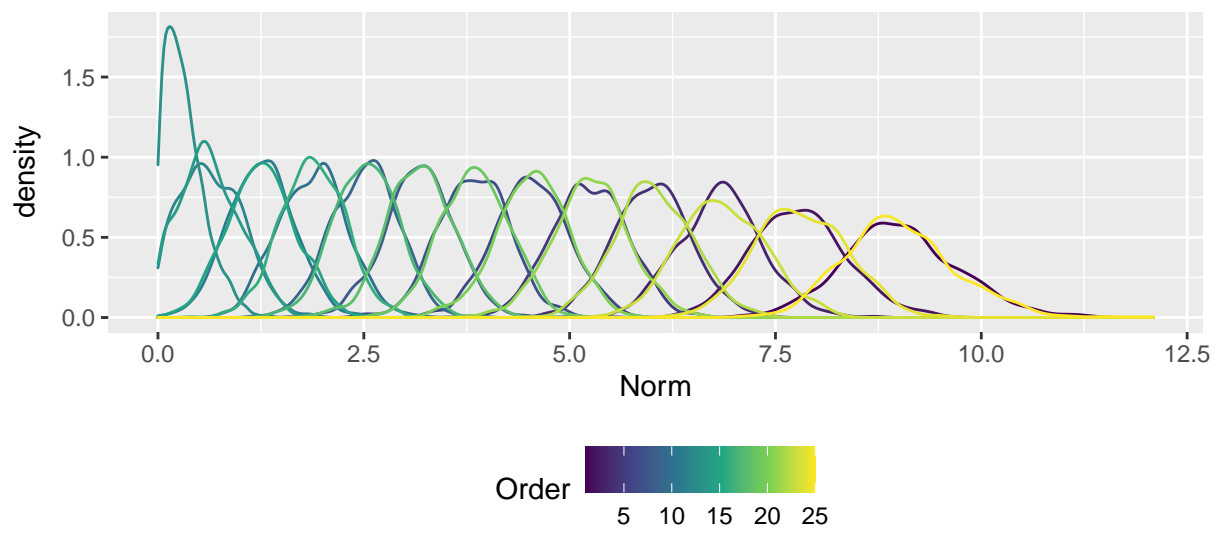
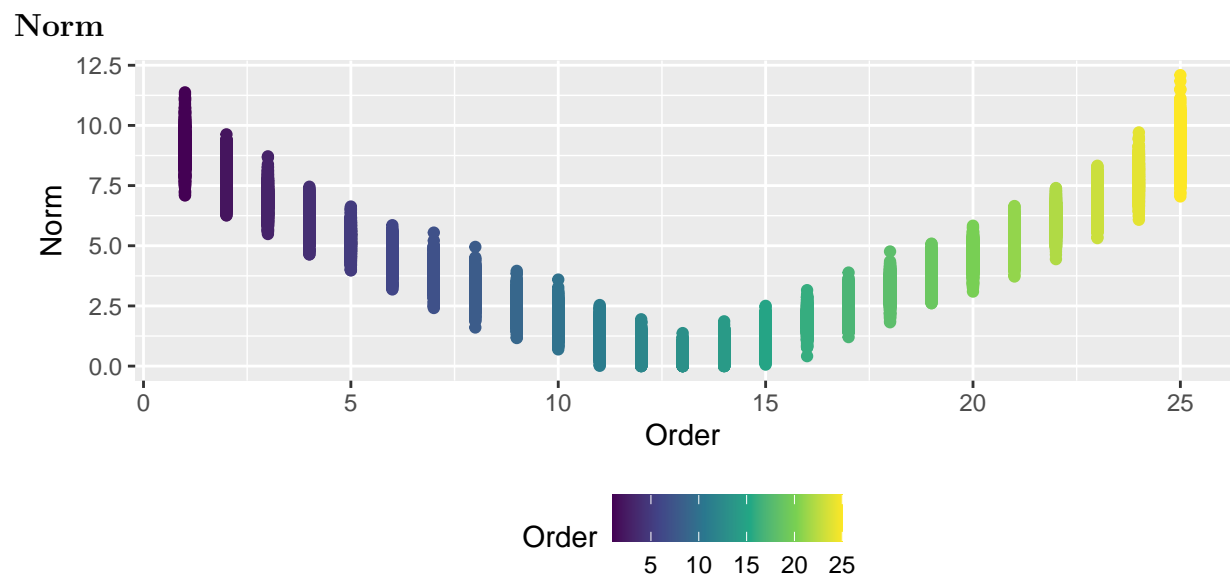
The Ensemble

```
# Beta ensemble  
#ens <- RME_beta(N = 25, beta = 2, size = 1000)  
ens <- RME_norm(N = 25, herm = T, size = 1000)  
spec_ens <- spectrum(ens, sort_norms = FALSE)  
spec_ens_sg <- spectrum(ens, singular = TRUE)
```

Sign-sorted eigenvalues

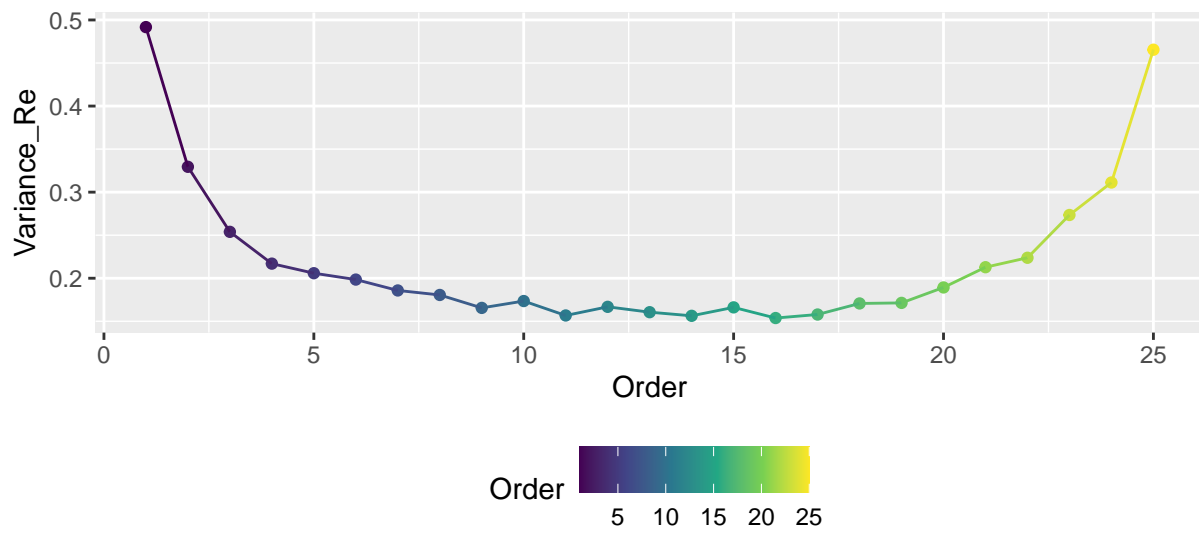
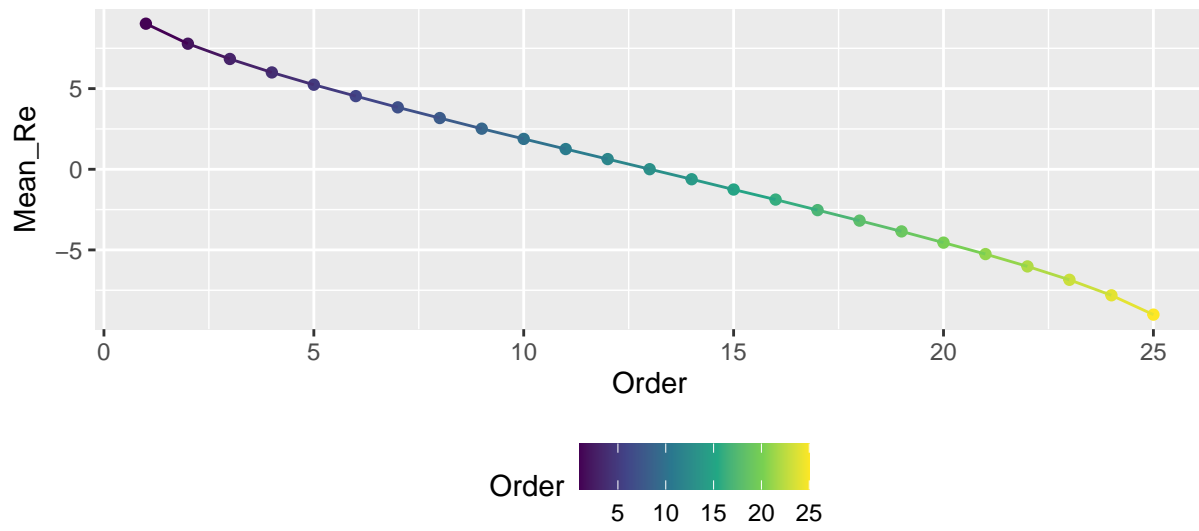
Real Component



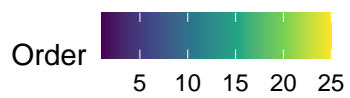
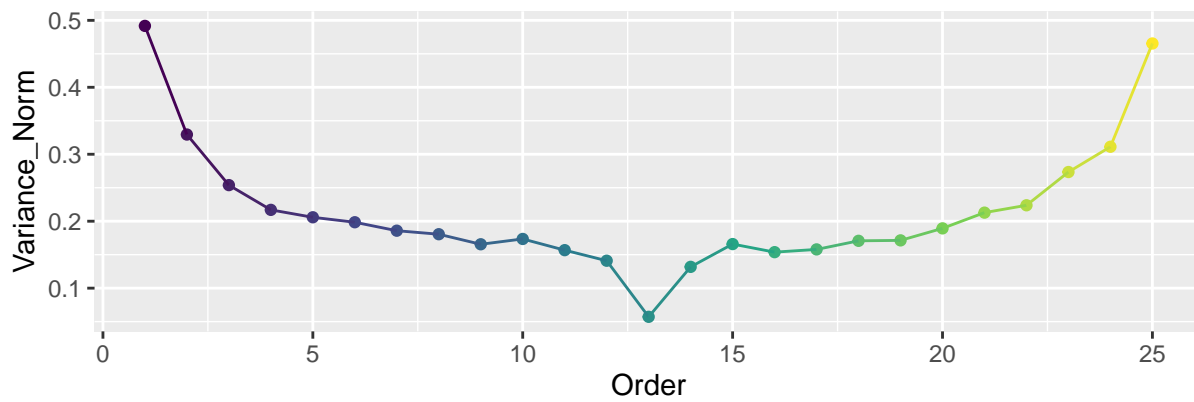
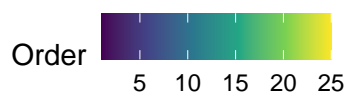
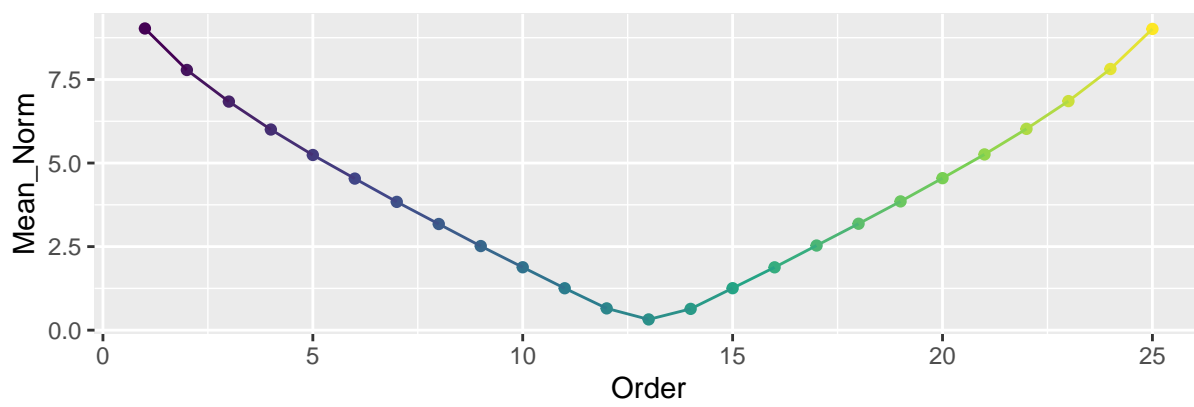


Summary of Order Statistics

Real Component

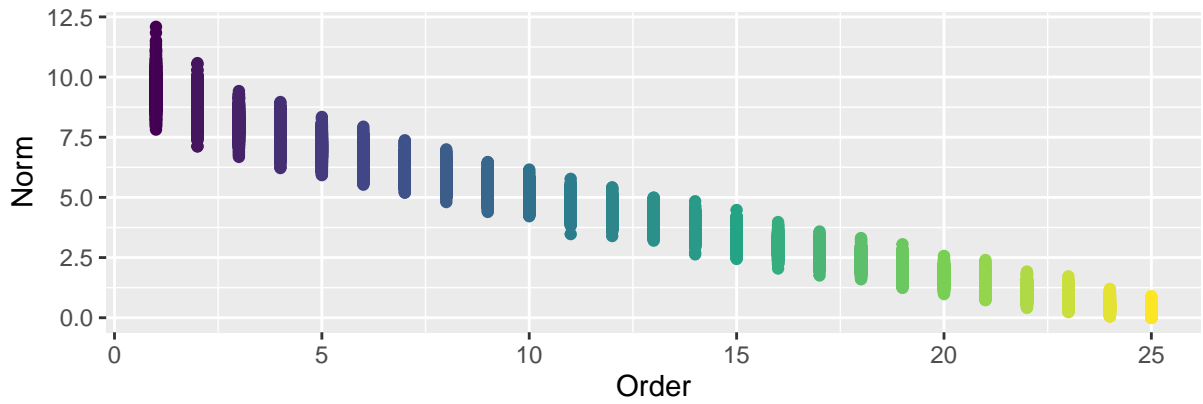


Norm



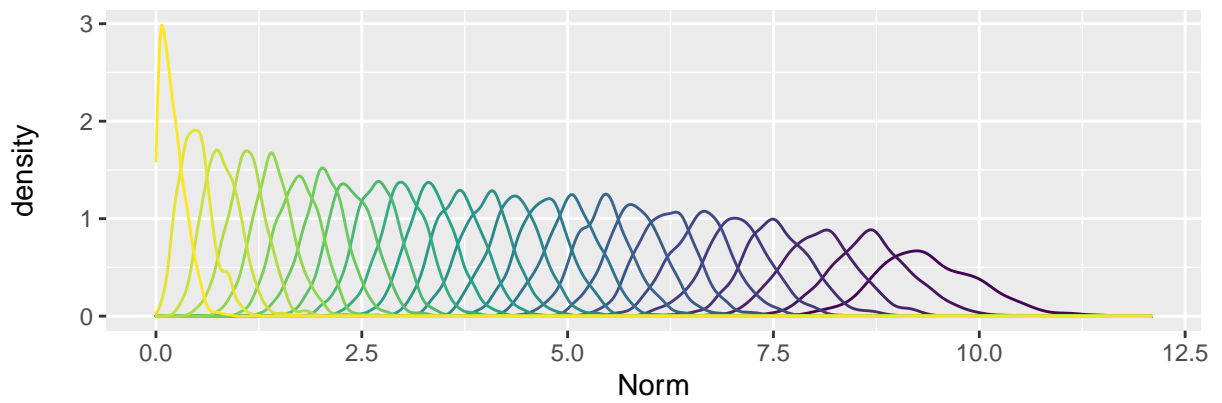
Singular Values (Norm-sorted)

Norm



Order

A color bar indicating the mapping of Order to color. The color scale ranges from dark purple (Order 1) to bright yellow (Order 25). The labels 5, 10, 15, 20, and 25 are positioned below the color bar.



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A color bar indicating the mapping of Order to color. The color scale ranges from dark purple (Order 1) to bright yellow (Order 25). The labels 5, 10, 15, 20, and 25 are positioned below the color bar.

Summary of Order Statistics

Norm

