Hi everyone,

I have a question about integration test comparisons in geomorph. I noticed that the input order of modules seems to matter in integration.test and phylo.integration. Doing integration.test(module1, module 2) and integration.test (module2, module1) gives me slightly different effect sizes (although the r-pls values remained the same). I also get effect sizes/p-values above 0, below 1, respectively, for these comparisons in the compare.pls analyses. I could replicate this by adding a few lines at the bottom of the help code for the compare.pls (code is below).

The differences do not seem large but I just still want to double check that I am using the analyses correctly.

Any suggestions are much appreciated!

Best,

Vera

MF1 <- integration.test(head.coords.gp$Marsh.F, tail.coords.gp$Marsh.F, iter=10000) #MF1 gives the same integration results as integ.tests$Marsh.F

MF2 <- integration.test(tail.coords.gp$Marsh.F, head.coords.gp$Marsh.F, iter=10000) #Different result

compare.pls(MF1 , MF2 ) #effect size of 0.111, p=0.91; tiny compared to different groups though

compare.pls(MF1 , MF1 ) #but comparing MF1 with MF1 yields the effect sizes of 0 and p values of 1.