RELATIVE LANGLANDS DUALITY AND MIRROR BRANES

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The emergent theory of relative Langlands duality as proposed by Ben-Zvi--Sakellaridis--Venkatesh can be understood as a matching between objects that admit special labels on the two sides of geometric Langlands. On the other hand, these labels have also been used by Gaiotto--Witten in their construction of mirror branes on Langlands dual Hitchin moduli spaces. I will explain a little about this dictionary as motivation, and present some calculations inspired by this perspective.