

1 R1 - Thank you for your review and your comments regarding the clarity of our results. Theorem 13 is a generalization  
2 bound in the sense that we define a notion of generalization: quantifying the difference between the true distribution  $P_X$   
3 and  $P_G$  and present a bound on this quantity (hence “generalization bound”). We will clarify these theoretical results,  
4 the dependence of  $X$  and  $Z$  of eqn (2) and check the references you mentioned – thank you for pointing this out.

5 R2 - Thank you for your review and comments regarding the profoundness of our results. We will be addressing the  
6 minor remarks mentioned. Though our result mainly discovers the relationship between these methods, one remark  
7 towards suggesting a direction is the use of lipschitz discriminators for GANs which lead to stable performance closer  
8 to WAEs – thank you for pointing this out for our discussion.

9 R3 - Thank you for your review and pointing out the significance of our results and especially noting that it will help  
10 the community generally understand these methods better. Indeed, cases under which the equivalence does not hold are  
11 interesting, and so we will endeavor to add appropriate illustrations for such cases (probably in an appendix given the  
12 space constraint in the main body).