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N=4 SYM on real projective space and analytic conformal bootstrap

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I will consider 4d N=4 SYM on real projective space preserving half of supersymmetry and focus on the case where charge conjugation is gauged. The holographic dual of this setup is a Z2 quotient of AdS5xS5 with an O1 orientifold. I will discuss how to use analytic conformal bootstrap techniques to compute all two-point functions of 1/2-BPS operators of arbitrary weights at the leading order in the large central charge expansion.

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