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The 10d Physics of the GPPZ Flow and Confinement in $N=1^*$ Super-Yang-Mills

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I will discuss the recent uplift to 10 dimensions of the 5d flow solution of Girardello, Petrini, Porrati, and Zaffaroni (GPPZ). By analyzing the 10d solution, I will show how the GPPZ singularity can be given a 10-dimensional interpretation in terms of 3-branes and 5-branes. Using this interpretation, I will make the connection to $N=1^*$ super-Yang-Mills and the Polchinski-Strassler vision of confining and screening vacua in terms of Myers-effect brane polarization.

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