

# Contribution of the contrast defect and control sidebands to the phase noise in Advanced Virgo Plus

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Phase noise consists into the oscillation of the squeezing angle and it is one of the mechanisms that can degrade the level of squeezing injected in gravitational wave detectors used to reduce quantum noise. This jitter can be due to several reasons. In this talk, we want to show the analysis done to evaluate the contribution given to this noise by the interferometer contrast defect and control sidebands in Advanced Virgo Plus.

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