

THE SHORT SPACINGS PROBLEM IN CORRELATION INTERFEROMETERS AND A
PROCEDURE FOR SOLVING IT

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ABSTRACT

The effects of the missing short spacings in correlation interferometers measurements on the synthesized antenna pattern and on the maps produced, are analysed. A method for correcting those effects, based on the obtention of the missing components from single dish observations, is described. The procedure has been developed for the WSRT observations of extended objects and it has been applied on several cases. Some results are shown for M31 and NGC4258.