

# IMPLEMENTAZIONE DI UN MODELLO FULL WAVE PER LA SIMULAZIONE DI UN ADAPTIVE ARRAY

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## Abstract

Il progetto ha lo scopo di studiare ed implementare un modello di simulazione full wave di un array adattivo. In particolare dovrà essere sviluppato un modello full wave del prototipo di Smart Antenna realizzato dal gruppo ELEDIA. Verranno modellati gli elementi radianti (non la circuiteria di alimentazione RF e controllo) e la loro disposizione fisica al fine di valutare anche gli accoppiamenti mutui tra gli elementi stessi e la presenza del piano di massa. Si dovrà inoltre prevedere di poter simulare diverse alimentazioni per ogni elemento della schiera (in termini di ampiezza e fase).

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