

DEFINIZIONE PATH-LOSS PER MODELLO PERCOLATIVO 1D

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Abstract

In letteratura è stata studiata la possibilità di modellare un mezzo randomico, quale ad esempio una distribuzione di edifici in ambiente urbano, come un percolation lattice. In particolare nel caso 1D abbiamo un semi-piano infinitamente esteso, in cui sono presenti gli scatteratori, illuminato da un'onda piana monocromatica. L'obiettivo del presente progetto è quello di estendere il modello percolativo 1D al caso 2D in cui il semi-piano percolativo è illuminato da un'onda em radiata da un'antenna reale direttiva. Per tale scenario si andrà a definire il pathloss atteso.

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