$\mathcal{D}$
$??\mathcal{D}RRN??\mathcal{D}100\text{m}\times$
$100\text{m}R =$
$30\text{m}N =$
$12_circle_bs_station.pdf$
NR
$??$
$\mathcal{D}100\text{m} \times 100\text{m}$
N
$R \quad 30\text{m}$
α
$??_circle_ecapacity_show3012.pdf : ()\alpha =$
$2\alpha =$
4
$\alpha =$
$43\text{m}10\text{bps/Hz}$
1bps/Hz
RN
$\Psi??$
$\mathcal{D}100\text{m} \times 100\text{m}$
N
$R \quad 30\text{m}, 50\text{m}$
Ψ
$\sigma \quad 5\text{m}$
α
$RN????random_single_circle_rn.pdf$
$NRRN??NRNRN =$
$8, R =$
$25\text{m}N =$
$16, R =$
$50\text{m}N =$
$8, R =$
$50\text{m}5\text{dB}$
$??NRN =$
$8, 12R =$
$25.0, 50.0\text{m}NRNR0\text{dB}3\text{dB}5\text{dB}$
$RN??RN$
$\mathcal{D}100\text{m} \times 100\text{m}$
$N \quad 2 \sim 20$
$R \quad 1.0 \sim 50\text{m}$
$\delta \quad 0\text{dB}3\text{dB}5\text{dB}$
Ψ
$\sigma \quad 5\text{m}$
α
$??R =$
$40\text{m}NR??NR$
$_random_single_circle_rnface.pdf$
δ
$??RN$
$\mathcal{D}100\text{m} \times 100\text{m}$
$N \quad 2 \sim 20$
$R \quad 1.0 \sim 50\text{m}$
Ψ
$\sigma \quad 5\text{m}$
α
$RN??RRNNN_circle_ase_show.pdf$
$l_1l_2??_bs_station_show.pdf$
$??\mathcal{D}100\text{m}\times$
$100\text{m}l_1 =$
$l_2 =$
20m
20m
$??$
$\mathcal{D}100\text{m} \times 100\text{m}$
$l_1 \quad 20\text{m}$
$l_2 \quad 20\text{m}$
α
$??_grid_ecapacity_show.pdf$
$\alpha =$
2.01bps/Hz
$\alpha =$
4.01bps/Hz
1bps/Hz
$l_1l_2\Psi??$
$\mathcal{D}100\text{m} \times 100\text{m}$
l_1
l_2
Ψ
$\sigma \quad 5\text{m}$
α
$l_1 =$
$10\text{m}, l_2 =$
$10\text{m}l_1 =$
$10\text{m}, l_2 =$
20m
$l_1 =$
$10\text{m}, l_2 =$
$20\text{m}??l_1l_2l_1 =$
$l_2 =$
$10\text{m}5\text{dB}l_1 =$
$l_2 =$
$10\text{m}5\text{m}20\text{m}_random_squareg_ird_l12.pdf$
$0\text{dB}3\text{dB}5\text{dB}l_1l_2??l_1l_2$
$\mathcal{D}100\text{m} \times 100\text{m}$
$l_1 \ 5.0 \sim 25.0\text{m}$
$l_2 \ 5.0 \sim 25.0\text{m}$
Ψ
$\sigma \quad 5\text{m}$
α
$??_l1_l2.pdf$
$??l_1l_2$
$\mathcal{D}100\text{m} \times 100\text{m}$