?
?
?
??
G
B
G
B
P
Q
P
G
B
Q
B
G
$(1-$
$P)$
$(1-$
$Q)$
G
B
P_G
G
P_B
B
G
P_G
$P_G \approx$
0
B
P_B
$P_B \approx$
0.5
BER
$= \frac{P}{1-\gamma} \cdot P_B + \frac{Q}{1-\gamma} \cdot P_G$
(1)
$\gamma = 1-(P+Q)$
(2)
$\gamma \approx$
0
$\gamma \approx$
1
BER
$0 \leq$
0.5
BER
γ
??
??
GEC
$0 \leq$
$P_G \leq$
$P_B \leq$
0.5

$P = (1-\gamma) \cdot (1 - \frac{P_B -}{P_B - P_G}$ (3)

$Q = (1-\gamma) \cdot \frac{P_B -}{P_B - P_G}$ (4)

$P_G =$
0
$P_B =$
0.5
$P_G =$
0
$P_B =$
0.5
??
??

$P = 2 \cdot (1-\gamma) \cdot$ (5)

$Q = (1-\gamma) \cdot (1-$ (6)

??
γ
GEC
$\leq$
0.02
????
$\gamma =$
0
(κ)
$\kappa =$
0
$2 \cdot$
10^{-2}
$\gamma =$
0.5
γ
?
??
p_k
k
S_i