題名:牙醫院所感染控制SOP作業細則手冊，行政院衛生署疾病管制局印製

作者:鄭信忠

貢獻者:牙醫學系

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摘要:In the free space optical communication system with circle polarization shift keying (CPolSK) modulation, the changes of polarization state of light beam have significant influence on the system performance. Keeping the state of polarization (SOP) unchanged on propagation can reduce the bit error rate. Based on the unified theory of coherence and polarization, we derive the sufficient condition for Gaussian Schell-model (GSM) beam to keep the SOP unchanged. We found that when the three spectral correlation widths ($\delta(xx)$, $\delta(yy)$ and $\delta(xy)$) equal to each other and $\sigma(x) = \sigma(y)$, the GSM beam maintains the SOP on propagation. This conclusion can be helpful for the design of the transmitter in the CPolSK system.