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Designing WDM Filter in Lithium Niobate Crystal with the Layer-peeling
Algorithm

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Abstract

In this paper, we have developed the synthesized method for volume Hologram grating by layer-peeling algorithm. Layer-peeling algorithm is known as an efficient tool for synthesizing fiber Bragg grating which is one-dimension grating without absorption. By taking account for attenuation and angles of incident wave, we have modified the layer-peeling algorithm that can synthesize volume Hologram grating in lithium niobate crystal.