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- [SLAC-SPIRES HEP](#)  
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# Quantum Optical Version of Classical Optical Transformations and Beyond

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*(Submitted on 3  
Oct 2010)*

By the  
newly  
developed  
technique  
of  
integration  
within an  
ordered  
product  
(IWOP)  
of  
operators,  
we  
explore  
quantum  
optical  
version  
of  
classical  
optical  
transformations  
such as  
optical  
Fresnel  
transform,  
Hankel  
transform,  
fractional  
Fourier  
transform,  
Wigner  
transform,  
wavelet

