

Fourier-Mukai transform in the quantized setting
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After reviewing some elements of the theory of Deformation Quantization modules (DQ-modules), I will show that a coherent DQ-kernel induces an equivalence between the derived categories of coherent DQ-modules if and only if the graded commutative kernel associated to it induces an equivalence between the derived categories of coherent \mathcal{O} -modules.