

THE BOUNDEDNESS OF A CLASS OF SEMICLASSICAL
FOURIER INTEGRAL OPERATORS ON BESOV SPACES

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Abstract. The aim of this paper is to discuss the Besov spaces bounds for semiclassical Fourier integral operator. We give the conditions that the symbol and the phase function must satisfy for this operator to be bounded.

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Key words. Semiclassical analysis, Fourier integral operator, symbol, phase, Besov spaces.

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