GEOMETRIC SYMBOL CALCULUS
FOR PSEUDODIFFERENTIAL OPERATORS. II

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A connection on a manifold allows us to define the full symbol of a pseudodifferential operator in an invariant way. The latter is called the geometric symbol to distinguish it from the coordinate-wise symbol. The traditional calculus is developed for geometric symbols: an expression of the geometric symbol through the coordinate-wise symbol, formulas for the geometric symbol of the product of two operators, and of the dual operator. The second part considers operators on vector bundles.

Key words and phrases: pseudodifferential operator, connection on a manifold, covariant derivative.

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