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On completeness of elementary generalized solutions of a class of operator-differential equations of a higher order

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**Abstract:** In this paper we give definition of m-fold completeness and prove a theorem on completeness of elementary generalized solution of corresponding boundary value problems at which the equation describes the process of corrosive fracture of metals in aggressive media and the principal part of the equation has multiple characteristics.

**Key Words:** Hilbert space, existence of generalized solution, operator-differential equation.

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