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TO THE DETERMINATION OF LIFE
EXPECTANCY OF METALLIC CYLINDRICAL
ELEMENTS OF OFFSHORE STRUCTURAL
ENGINEERING

Abstract

The formula is suggested for life expectancy of metallic cylindrical elements of offshore structural engineering at the action of external pressure subject to the influence of history of random loading. The external pressure is assumed to consist of the sums of hydrostatic pressure and the pressure connected with the wave influence. The pressure from wave influence is considered as stationary narrow-band random process. The concrete numerical calculation is reduced.