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*Boundary value problems for systems of second order equations on times scales.*

We present existence results to boundary value problems for systems of second order equations on times scales. We first consider the case where the right member of the equation does not depend on  $x^\Delta$ . Then we present a result for the more general case where the right member of the equation is  $f(t, x(\sigma(t)), x^\Delta(t))$ . Our results rely on a new notion of solution-tube of systems of second order equations on times scales.