

EARTHQUAKE ANALYSIS

Optional Subtitle Goes Here

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Abstract. This paragraph shall summarize the contents of the paper in short terms.

1 Fixed-Period Problems: The Sublinear Case

With this chapter, the preliminaries are over, and we begin the search for periodic solutions ...

1.1 Autonomous Systems

In this section we will consider the case when the Hamiltonian $H(x)$...

The General Case: Nontriviality. We assume that H is (A_∞, B_∞) -subquadratic at infinity, for some constant ...

Notes and Comments. The first results on subharmonics were ...

Proposition 1. Assume $H'(0) = 0$ and $H(0) = 0$. Set ...

Proof (of proposition). Condition (8) means that, for every $\delta' > \delta$, there is some $\varepsilon > 0$ such that ... □

Example 1 ((External forcing)). Consider the system ...

Corollary 1. Assume H is C^2 and (a_∞, b_∞) -subquadratic at infinity. Let ...

Lemma 1. Assume that H is C^2 on $\mathbb{R}^{2n} \setminus \{0\}$ and that $H''(x)$ is ...

Theorem 1 ((Ghoussoub-Preiss)). Let X be a Banach Space and $\Phi : X \rightarrow \mathbb{R}$...

Definition 1. We shall say that a C^1 function $\Phi : X \rightarrow \mathbb{R}$ satisfies ...