3.2 The condition of existence of periodic solutions

The general solution in the standing wave form (2) for equation (3) is function

fi fi

Lemma. *There exists such value of parameter* $q \in \in\in\omega\omega\omega\omega\omega\omega\omega\omega\omega\omega\omega\omega\omega$ *that the sequence* $\mathbf{f}$ *is a real solution of system ,,,, in addition a value of* ω_ω *also is real.*

Pro.nsertin. the se.uence f into s

3.5 The second approximation

Let us consider the equation to second order in fifi

$$\frac{\mathrm{fi}^2\mathrm{fi}_2}{\mathrm{fix}}\,\mathrm{fifi}\frac{\mathrm{fi}\,\mathrm{fi}_2}{\mathrm{fi}}$$