

[Similar Matter Filed During Past Session —
See Senate No. 1094 of 1982]

SENATE No. 1472

By Mr. Wetmore, a petition (accompanied by resolve, Senate, No. 1472) of Robert D. Wetmore that provision be made to revive and continue the special commission established to make an investigation and study relative to the effects of growth patterns on the quality of life in the Commonwealth. Rules (Joint).

The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Eighty-three.

RESOLVE REVIVING AND CONTINUING THE SPECIAL COMMISSION ON THE EFFECTS OF GROWTH PATTERNS ON THE QUALITY OF LIFE IN THE COMMONWEALTH.

1 *Resolved*, That the special commission, established by chap-
2 ter ninety-eight of the resolves of nineteen hundred and sev-
3 enty-three is hereby revived and continued.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 354

LECTURE 10

THE HARMONIC OSCILLATOR

The harmonic oscillator is a fundamental system in physics. It is a system that can be approximated by a harmonic potential near a stable equilibrium point.

The potential energy of a harmonic oscillator is given by $V(x) = \frac{1}{2}kx^2$, where k is the spring constant and x is the displacement from equilibrium.