Standing wave spectrometer

- Mirror motion causes displacement of standing wave
- Partially absorbing detector samples the standing wave.
- The photodetector signal vs. mirror displacement is Fourier transformed to determine the optical spectrum.

Linear architecture allows for arrays

[Diagram of standing wave spectrometer with labels for photodetector, mirror, backplane, detector bias & current amplifier, mirror drive, standing wave, detector, mirror, incident light, standing wave pattern, and cross-section view.]

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