Uses of Prism
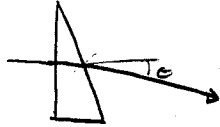
Dispersion

$\Theta = (n-1)\phi$

dispersive because $n(\lambda)$

Beam Bending

Better than mirror because TIR is wavelength independent

Retro-reflection
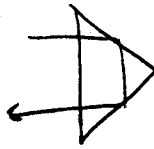

Image rotation

45-45-90

image rotation on bend

Penta Prism

Dove Prism

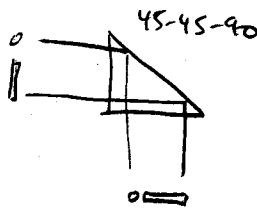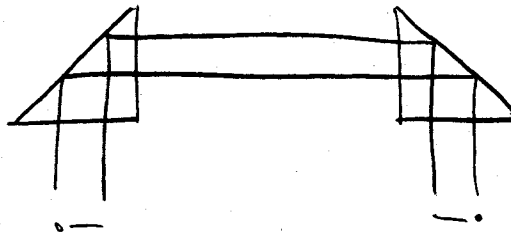R   R

Beam Scanning

traces out a circle

2 rotating prisms
Risley Prisms
Full cone coverage