Cross Section of the ETS-VIII Retroreflector Array

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The cross section of the ETS-VIII retroreflector array is computed as a function of incidence angle, polarization of the transmitted laser beam, and velocity aberration. The cross section for each of the 5 stations able to track ETS-VIII is computed as a function of polarization and velocity aberration. Computation of the centroid range correction shows variations of a few tenths of a millimeter as a function of velocity aberration.