A triangle zone occurs in the core of the southern Appalachian Triangle Zone (SATZ) as a triangle-shaped zone of deformation, as in the figure below from West Virginia. Triangle zones have been divided by Couzens and Wiltschko (1996) into two classes. Type I triangle zones occur above very weak horizons, where more competent units respond to compression by forming a well-defined passive roof. But it clearly is a triangle zone geometrically and kinematically, because it forms a triangle-shaped zone of deformation. Triangular geometry is typical in the core of large folds, and this geometry is also typical for triangle zones. The core of large folds suggest that deformation occurred primarily by flexural slip on a passive roof that is more competent than that below. In most of the exposure, however, fracturing is more common than folding in the core of large folds. The fractures appear by visual inspection to occur as four separate sets in the sandstone, but the slickensides are generally not stepped, so sense of motion on the surfaces cannot be easily determined. The fractures appear by visual inspection to occur as four separate sets in the sandstone, but the slickensides are generally not stepped, so sense of motion on the surfaces cannot be easily determined. The fractures appear by visual inspection to occur as four separate sets in the sandstone, but the slickensides are generally not stepped, so sense of motion on the surfaces cannot be easily determined. The fractures appear by visual inspection to occur as four separate sets in the sandstone, but the slickensides are generally not stepped, so sense of motion on the surfaces cannot be easily determined. 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