

Angulolithina BUKRY, 1973

Description:

Two thick calcite limbs joined in the form of a V and making an angle of less than 90 degrees. In plan view, shows birefringence in cross-polarized light, acting as a single optical unit.

Remarks:

Angulolithina is distinguished from *Ceratolithus* by a continuous opening of the angle formed by two equant limbs. Specimens of *Ceratolithus* have either inequant limbs or limbs that bend together distally. When viewed with a single polarizer in light microscopy, *Angulolithina* shows highest relief in the orientation where *Ceratolithus* (*C. rugosus*, *C. cristatus*) shows lowest relief (90° and 270°). In the opposite case, birefringent *Ceratolithus* is at highest relief and *Angulolithina* at low relief (0° and 180°). Both genera are bright in cross-polarized light at the intermediate positions (45°, 135°, 225°, 315°). Fragments of *Discoaster* species with two adjacent rays remaining intact may resemble *Angulolithina* in outline. In cross-polarized light, however, only slight birefringence from tilted specimens is shown. Relief remains constant in bright field with a single polarizer.

Type species:

Angulolithina arca BUKRY, 1973.

Author:

Bukry D., 1973, p. 675.

Reference:

Coccolith stratigraphy, Eastern Equatorial Pacific, Leg 16 Deep Sea Drilling Project. Initial Reports of the Deep Sea Drilling Project, vol. 16, n. 26, pp. 653-711, 5 pls., 4 figs., 6 tabs.