

# Ultimate Segment

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Major active faults can be divided into plural segments and study on segmentation becomes one of the major concerns of geomorphological, geological, seismological and earthquake engineering sciences. However, among various disciplines, there is some confusion on terminology.

In this regard, at the beginning of the special session, some discussion will be made to clearly the terms on segmentation.

One of the objectives of segmentation is strong motion estimation. To estimate the ultimate strong motion, it is necessary to define the ultimate geometry of the segment.

One of the examples of such ultimate segment can be found along the Chilean trench where the segmentation is controlled by the fracture zones in Nazuca Plate.