

GeoGebra Tutorial: Locus of a Point Equidistant from Two Fixed Points

1. Hide the axes and the grid. Choose “Options | Rounding | 1 Decimal Place”.
2. Create any three points. Name them as A, B and P.
3. Join A and P, B and P by the segment tool . Show “Values” only. Rename them as a and b.
4. Input: `diff=abs (Length[a] - Length[b])`
5. Input: `close= diff<=AxisStepX[]/100`
6. Select point P. Go to “Object Properties | Scripting | On Update”.
Input : `SetTrace[P,close]` . Click “OK”.
7. Insert a button . Enter “Clear trace” in the caption.
Enter `ZoomIn [1]` in the script.

