OpenGeoProver Output for RC-Constructibility problem "Wernick 003 (A,B,Mc —— C)"

Used algebraic method (with triangulation)

July 14, 2012

1 Validation of Construction Protocol

Construction steps:

- Free point A

- Free point B

- Free point C

- Midpoint Mc of segment AB

Free points:

- A

- B

- Mc

Points to be constructed:

- C

Validation result: Construction protocol is valid.

2 Instantiation of points with symbolic variables

- Point C has been assigned following coordinates: (x_1, x_2)

- Point A has been assigned following coordinates: (u_1, u_2)

- Point B has been assigned following coordinates: (u_3, u_4)

- Point Mc is redundant - can't proceed.

3 Result of transformation of RC-constructibility problem to polynomial form

Success Message: Failed to transform the RC-constructibility problem to polynomial form - find more details in log file.

Space Complexity: The biggest polynomial obtained during application execution contains 0 terms.

Time Complexity: Time spent in execution is 0.0 seconds.