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January 2001

Regulars

Pappus' Theorem



Let $A_1, A_2, A_3, B_1, B_2, B_3$ be six distinct points on the plane.

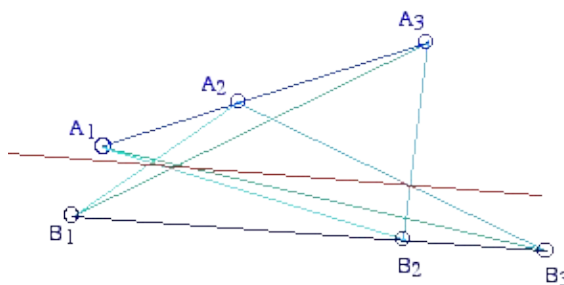
A_1, A_2 and A_3 are collinear, likewise B_1, B_2 and B_3 .

Let C_1 be the intersection of the lines A_2B_3 and B_2A_3 .

Let C_2 be the intersection of the lines A_3B_1 and B_3A_1 .

Let C_3 be the intersection of the lines A_1B_2 and B_1A_2 .

Then C_1, C_2 and C_3 are collinear.



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