Computing the Pfaffian for K_6

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(for the class on May 10)

Problem

1. Compute the determinant of a 6×6 skew symmetric matrix in which the elements above the diagonal are independent indeterminates over the ring of rational integers.

2. Discuss its relation with all the perfect matchings of a complete graph K_6 of six vertices

- Submit your report via ITC-LMS.

- Deadline: July 31, 22:00

- At least submit two reports for obtaining the credits, preferably solving option parts or at least three reports for A