Reimer 5

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February 24, 1997

Variables: x ; y ; z ; t ; u

Equations:

$2x^2 - 2y^2 + 2z^2 - 2t^2 + 2u^2 - 1;$
$2x^3 - 2y^3 + 2z^3 - 2t^3 + 2u^3 - 1;$
$2x^4 - 2y^4 + 2z^4 - 2t^4 + 2u^4 - 1;$
$2x^5 - 2y^5 + 2z^5 - 2t^5 + 2u^5 - 1;$
$2x^6 - 2y^6 + 2z^6 - 2t^6 + 2u^6 - 1;$

- Number of different complex solutions: 144.
- Number of different real solutions: 24.

References

[1] D. Bini and B. Mourrain. Polynomials test suite. 1996.