## On the uniqueness of extension of two parametric family of D(4)-triples

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A set of *m* positive integers is called a D(4)-*m*-tuple, if the product of any two of its distinct elements increased by 4 is a perfect square. There is a conjecture that D(4)-triple  $\{a, b, c\}$  can be extended to a D(4)-quadruple  $\{a, b, c, d\}$  such that  $d > \max\{a, b, c\}$  in the unique way. That was proved for D(4)-triple  $\{1, 5, 12\}$ and various parametric families of D(4)-triples. In this talk we will prove the conjecture for one two parametric family of D(4)-triples.

## TUE/EPCOS