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Tai Ha* (tha@tulane.edu), **Ngo Viet Trung** and **Tran Nam Trung**. *Algebraic invariants of fiber products.*

Let X and Y be affine varieties over a field k , and let $Z = X \times_k Y$. We shall discuss bounds for algebraic invariants of Z in terms of those of X and Y . Our focus will be on the projective dimension and the regularity of powers (ordinary and symbolic) of their defining ideals. (Received August 07, 2014)