



## **TWO SIMPLES PROOFS OF FERMAT'S LAST THEOREM AND BEAL CONJECTURE**

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Received October 21, 2019; Re-revised November 11, 2019


### **Abstract**

If after 374 years the famous theorem of Fermat-Wiles was demonstrated in 150 pages by A. Wiles [[https://en.wikipedia.org/wiki/Fermat last theorem](https://en.wikipedia.org/wiki/Fermat_last_theorem)], the purpose of this article is to give a simple demonstration and deduce a proof of the Beal conjecture.

Si après 374 ans le célèbre théorème de Fermat-Wiles a été démontré en 150 pages par A. Wiles [[https://en.wikipedia.org/wiki/Fermat last theorem](https://en.wikipedia.org/wiki/Fermat_last_theorem)], le but de cet article est de donner une simple démonstration et d'en déduire une preuve de la conjecture de Beal.

**Keywords and phrases:** Fermat, Fermat-Wiles theorem, Fermat's great theorem.

Pioneer Journal of  
Algebra, Number  
Theory and its  
Applications

 Pioneer Scientific  
Publisher