



Volume 4, Issue 2, Article 30

An Asymptotic Expansion

Authors: [Gabriel Mincu](#),
Keywords: Powers of primes, Inequalities, Asymptotic behaviour.
Date Received: 24/12/02
Date Accepted: 12/05/03
Subject Codes: 11N05, 11N37
Editors: [László Tóth](#),

Abstract: In this paper we study the asymptotic behaviour of the sequence $(r_n)_n$ of the powers of primes. Calculations also yield the evaluation $\sqrt{r_n} - p_n = o\left(\frac{n}{\log^s n}\right)$ for every positive integer s , p_n denoting the n -th prime.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)