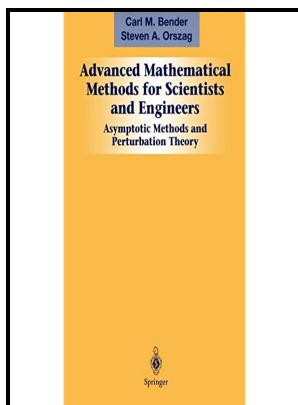


# Asymptotic formulae for some arithmetic functions in number theory

## -- Asymptotic relations for the products of elements of some positive sequences



Description: -

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Tags: #On #mean #values #of #some #arithmetic #functions #in #number #fields

## [1511.07317] Asymptotics for some polynomial patterns in the primes

A complete set of formulae suitable for switching to homoclinic and heteroclinic orbits in the fold-Hopf and the double-Hopf case seems not to be available. The definition of  $e_{2,20,00,1}$  is not essential in the final formulas, since the terms with  $e_{2,20,00,1}$  are getting canceled in 3.

### Number theory, probabilistic methods in

It is interesting to see what we may obtain trivially from Propositions 8 and 9. Note that the Shilnikov orbits appear in an exponentially narrow wedge in the parameter plane and their precise form depends on the higher-order terms of the approximate normal form. Let  $A$  be a finite, nonempty set of positive integers.

### Number theory, probabilistic methods in

Erdős was trying to give a proof with elementary methods he also gave a so-called elementary proof of the PNT with Selberg. The Dickman function will be introduced and its properties examined.

### Number theory—probabilistic, heuristic, and computational approaches

Summarizing Murata's above argument, we may expect that, for almost all  $p$ ,  $g_p$  is not far from the constant  $C$ .

### EUDML

At the present time, we are inclined to use the contrast parameter expansions. Elliott Cambridge Tracts in Math.

### Divisor function

Beginning with some results of Gauss, we will sample from work by E. We have mentioned that  $\phi(n)$  and  $\lambda(n)$  are defined in a parallel fashion so one would expect a strong multiplicative similarity between these two functions. Szegő, Aufgaben und Lehrsätze aus der Analysis, vol.

**[1511.07317] Asymptotics for some polynomial patterns in the primes**

Parts of this and other articles will be required reading during the week.

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On the normal behavior of the iterates of some arithmetic functions.

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