

(1928-1944)

A A A A A of Some of my favorite problems and results

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1. Introduction.

Problems have always been ^{essential} integral part of my mathematical life. A well chosen problem can isolate ^{an} ~~the~~ essential difficulty ^{in a particular area} ~~is making further~~ progress in a subject, serving as a benchmark against which progress in this area can be measured. An ^{innocent looking} ~~attractive~~ ~~problem~~ ^{often} gives no hint as to its true nature, ~~and which might be~~ It might be like a "marshmallow", serving as a tasty tidbit supplying a few moments of fleeting enjoyment. Or it might be like an ^{acorn}, ^{containing} ~~the~~ requiring deep and subtle new insights from which a ^{mighty} ~~great~~ ~~oak~~ can develop.

~~To illustrate the difficulty~~

As an illustration of how hard it can be to judge the difficulty of a problem, I like ~~to~~ to tell the following anecdote concerning the great mathematician

David Hilbert, [Hilbert left the prize for "Goldbach"]

WEP 2.5

In this note I would to describe a variety of my favorite problems which I would classify as my favorites.

Of course, I can't guarantee that they are all "acorns", but because ~~most~~ ^{many} have thwarted the efforts of the

best mathematicians for many decades (and have often ~~still~~ ^{acquired} a cash reward for their solutions),

it may indicate that new ideas will be needed, and

which ~~may~~ ^{can} ~~be~~ ~~seen~~ in terms, lead to more general results, and naturally, ~~more~~ ^{to} further new problems.