

Journal of Mathematical Physics

Department of Mathematics, New York University

over the interval $[0, \infty)$ as indicated in the figure. Only the part of the solution that is bounded at infinity is of physical interest. The boundary conditions are $\psi(0) = 0$ and $\psi(\infty) = 0$. The solution is given by $\psi(x) = \sin(kx)$ for $x < 0$ and $\psi(x) = 0$ for $x > 0$. The energy eigenvalues are $E = \frac{1}{2}k^2$.

The wave function $\psi(x)$ is real and normalized. The probability density $|\psi(x)|^2$ is shown in the figure. The expectation value of the position is $\langle x \rangle = 0$.

As a function of energy, the wave function $\psi(x)$ is shown in the figure. The wave function is real and normalized. The probability density $|\psi(x)|^2$ is shown in the figure. The expectation value of the position is $\langle x \rangle = 0$.

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Center in planning a mathematics field day in the Fall. Representatives of the field day hope to have 100 high ability students from 10 schools and 10 teachers from 10 schools. The camp will be held at the special center and will be a course in mathematics for the day. The special center will be a course in mathematics for the day. The special center will be a course in mathematics for the day.

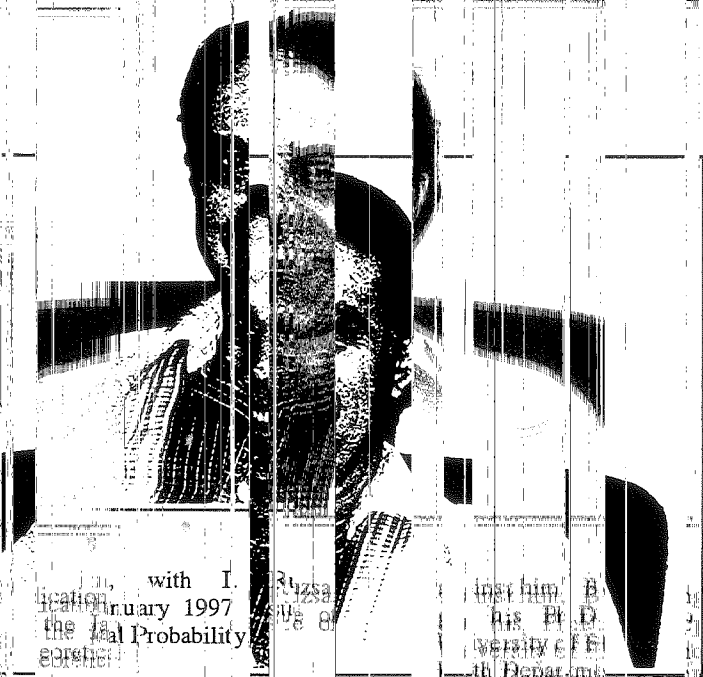
Information on the activities of the center can be obtained by calling 978-888-8888.

STUDENT CLUBS

Fredric Zeigler, President of the MAA Chapter at the University of Florida, reports that the club has been very active this year. The club has held several meetings and has been very successful in its efforts. The club has held several meetings and has been very successful in its efforts. The club has held several meetings and has been very successful in its efforts.

A JOURNALISTS

The last time we heard from Budzba (Ph.D. 1978) reports that he has been promoted to Associate Professor at the University of Illinois. He is holding a grant from the National Science Foundation.



with I. Ruzsa in January 1997 at the International Probability Conference.

with B. Bollobás at the University of Cambridge.

(1980) reports that he has been at the University of Florida for 10 years. He is currently in the Mathematics Department at the University of Florida. He is currently in the Mathematics Department at the University of Florida.

What do you do? I am a professor of mathematics at the University of Florida. What do you teach? I teach real analysis and probability. What is your worst subject? I don't know.

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Marcus reports that he has been very successful in his efforts. He has held several meetings and has been very successful in his efforts. He has held several meetings and has been very successful in his efforts. He has held several meetings and has been very successful in his efforts.

CHAIRMAN'S COMMENTS

(Continued from Page

Remarks by Professor Vill...
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 and a whole...
 hydrogen, but it is...
 suggest. In small...
 hydrogen fuses...
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response by Professor Stark...
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bad coin is V. (if C is 1/4 of B, then the bad coin is II). If C is not 3/4 of either A or B, then $C = 2w + V$, $A + B - C = 5w$, and we can see which of A or B is a multiple of w (suppose it was A) and so figure out which coin is bad (as A is a multiple of W , the bad coin is V or VI, and $C = 2w + V$, the bad coin must be V).

The second problem was incorrectly stated, so here it is again. A special card deck consists of

- $2^0 = 1$ card with 1 on one face and 2 on the other,
- $2^1 = 2$ cards with 2 on one face and 3 on the other,
- $2^2 = 4$ cards with 3 on one face and 4 on the other,
- $2^3 = 8$ cards with 4 on one face and 5 on the other,
- ...
- 2^{k-1} cards with k on one face and $k+1$ on the other.

A randomly-selected card is placed so that each face is visible to exactly one of two gamblers. Given only the number seen, they bet 1 coin the value of the number seen by their opponent. If there is a unique winner, he/she takes a 1 coin should a player bet? There are two cases: you know what k is, or you don't know what k is.

DIVERSE REVISIONS

undergraduate program is...
 The major changes are: A...
 MGF 301, 3 bridge to...
 analysis, we launch...
 prerequisite, in turn...
 requisite to Linear Algebra...
 Calculus (MAA 421) has...
 and Int Media Analysis...
 AA 421. Further changes...
 been made next year.

PROBLEM

error in the solution to the...
 published in an earlier...
 correct solution is as follows...
 problem: You are given six...
 (6 coins) five of them are...
 high, but one has a different...
 it is counterfeit. A scale...
 your use. Find a way to...
 only three weighings.

coins are II, III, IV, V, VI...
 of weight w while...
 weight W . Weigh I, II...
 A, and weigh III, IV...
 $A = 3w$, the bad coin is...
 weigh I, II, and V...
 If $A = B$, then weigh...
 If $A = 3w$, $A = 3w$ and the

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