

# Notices



of the American Mathematical Society

February 2015

Volume 62, Number 2

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on His Birth Centenary  
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Seven Characteristics of  
Successful Calculus  
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angle, jusques a O, en sorte qu'N O soit esgale a N L, la toute OM est  $x$  la ligne cherchée. Et elle s'exprime en cete sorte

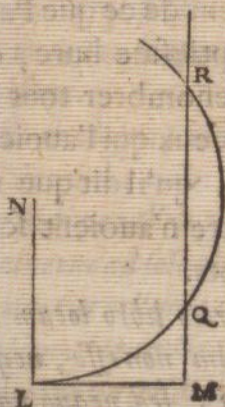
$$x \propto \frac{1}{2} a + \sqrt{\frac{1}{4} a a + b b.}$$

Que si iay  $y \propto - a y + b b$ , & qu'y soit la quantité qu'il faut trouver, ie fais le mesme triangle rectangle N L M, & de sa baze M N i'oste N P esgale a N L, & le reste P M est  $y$  la racine cherchée. De façon que iay  $y \propto - \frac{1}{2} a + \sqrt{\frac{1}{4} a a + b b.}$  Et tout de mesme si i'a-uois  $x \propto - a x + b. P M$  feroit  $x$ . & i'aurois  $x \propto \sqrt{- \frac{1}{2} a + \sqrt{\frac{1}{4} a a + b b.}}$  & ainsi des autres.

Enfin si i'ay

$$z \propto a z - b b:$$

ie fais N L esgale à  $\frac{1}{2} a$ , & L M esgale à  $b$  côme deuât, puis, au lieu de ioindre les points M N, ie tire M Q R parallele a L N. & du centre N par L ayant descrit vn cercle qui la coupe aux points Q & R, la ligne cherchée  $z$  est M Q, oubië M R, car en ce cas elle s'ex-



prime en deux façons, a sçauoir  $x \propto \frac{1}{2} a + \sqrt{\frac{1}{4} a a - b b.}$  &  $x \propto \frac{1}{2} a - \sqrt{\frac{1}{4} a a - b b.}$

Et si le cercle, qui ayant son centre au point N, passe par le point L, ne coupe ny ne touche la ligne droite M Q R, il n'y a aucune racine en l'Equation, de façon qu'on peut assurer que la construction du problemesme proposé est impossible.

Aux

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of the American Mathematical Society

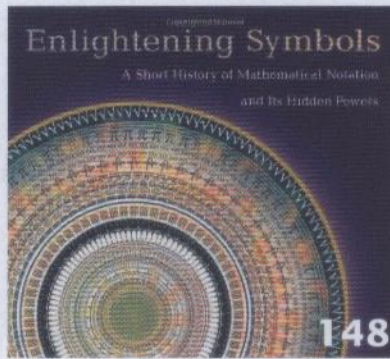
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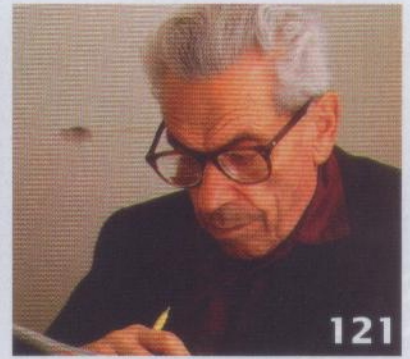
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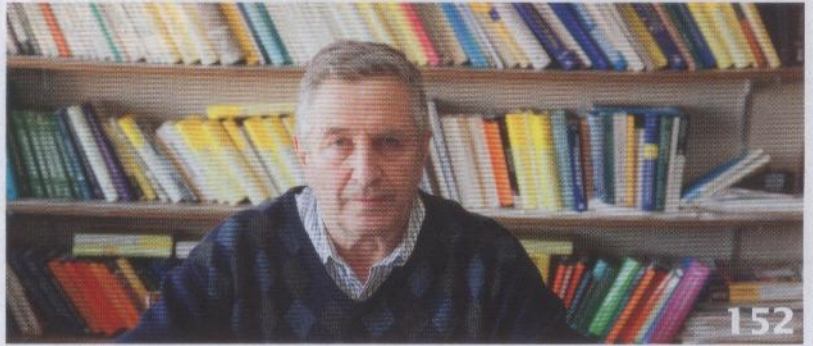
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*From the frigid depths of winter we offer mathematical solace:*

We begin this February 2015 issue with the first part of a two-part centenary-celebration feature on the life of Paul Erdős. Next we have intriguing discussions of the relationship between the National Security Agency and the mathematics profession. There are interviews with outgoing AMS President David Vogan and with Abel Prize Laureate Yakov Sinai.

We present a description of the characteristics of successful calculus programs, offer a *Scripta Manent* on one professor's account of editing an electronic journal, and a *Doceamus* treatment of how we can use history to more effectively teach mathematics.

We hope that these fascinating readings will help to sustain the *Notices* reader until spring. —*Steven G. Krantz, Editor*

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*Krishnaswami Alladi and Steven Krantz*

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of the American Mathematical Society

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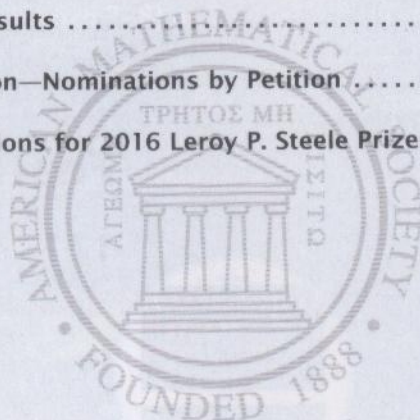
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