

**Resolving St. Petersburg, Allais and  
Ellsberg paradoxes with  
the focus-based decision theory**

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**May 2015  
No.324**

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**Abstract.** This paper generalizes the one-shot decision theory as the focus-based decision theory. Using the focus-based decision theory, we solve three paradoxes, that is, St. Petersburg, Allais and Ellsberg paradoxes.