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**Lee Sage-Gu\*** ([sglee@skku.edu](mailto:sglee@skku.edu)), Dept. of Mathematics, Sunkyunkwan University, Suwon, Jangan Gu 440-746, South Korea, and **Kim Kyung-Won** ([kwkim@skku.edu](mailto:kwkim@skku.edu)), Dept. of Mathematics, Sunkyunkwan University, Suwon, Jangan Gu 440-746, South Korea. *Mobile Sage-Math for Linear Algebra and its Application.*

With the innovation of information and communication technologies, many tools have appeared and been adapted for educational purposes. Mathematical tools have long held an important place in classrooms. Sage-Math has efficient features which utilize the internet and can handle most mathematical problems, including linear algebra, algebra, combinatorics, numerical mathematics and calculus. In this talk, we introduce a mobile infrastructure of Sage-Math in a new learning environment with smartphones. We will show our App for learning of Linear algebra. (Received September 17, 2010)