

1067-Z1-1661 **Mohamed Allali*** (allali@chapman.edu), 545 W. Palm Ave, Orange, CA 92866. *Application of a chaotic map to digital images.*

Processing digital images can put, in some cases, mathematical ideas in an exciting new light. In this talk, I will show how calculating the period of a particular chaotic map can make it more visual and interesting for instructors and students in a linear algebra or number theory course. (Received September 21, 2010)