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Michael A Hill* (mikehill@virginia.edu), Department of Mathematics, Kerchof 213, PO Box 400137, Charlottesville, VA 22904. *Computational work towards $K(ko)$.*

We describe current progress towards computing the algebraic K -groups of the real connective K -theory spectrum. We will begin with an outline of the computation of $THH(ko)$, the topological Hochschild homology of ko , and then discuss the basic steps in a program similar to the Ausoni-Rognes program to compute the TC -groups. This is based on joint work with Vignleik Angeltveit and Tyler Lawson. (Received September 07, 2007)