1056-12-1040 **Arne Ledet*** (`arne.ledet@ttu.edu`), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409-1042, and **Lourdes Juan**, Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX. *Spin groups as differential Galois groups.*

We present some recent results about the realisation of spin groups as differential Galois groups, using quadratic forms theory to describe the cohomology. (Received September 20, 2009)