

962-92-1319

H. T Banks* (htbanks@eos.ncsu.edu), Center for Research in Scientific Computation, Box 8205, North Carolina State University, Raleigh, NC 27695-8205, **David M Bortz** (dmbortz@unity.ncsu.edu), Center for Research in Scientific Computation, Box 8205, North Carolina State University, Raleigh, NC 27695-8205, and **Sarah Holte** (sarah@hivnet.fhcrc.org), SCHARP, Fred Hutchinson Cancer Research Center, Seattle, WA 98109. *Inverse Problems for Random Effects Models of HIV.*

We consider complex systems arising in modeling of HIV infection dynamics. Random effects aspects in distributed parameter models are discussed and our recent efforts on a modeling and an inverse problem methodology are presented. (Received October 03, 2000)