

28th Southeastern-Atlantic Regional Conference on Differential Equations, October 10–11,
2008, University of Arkansas at Little Rock, Little Rock Arkansas, USA

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STABILITY OF SOLITONS FOR THE KDV EQUATION IN H^s ,
 $-\frac{3}{4} < s < 0$

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We study the long-time stability of soliton solutions to the Korteweg-deVries equation. We consider solutions u to KdV with initial data in H^s , $-\frac{3}{4} < s < 0$, that are initially close in H^s norm to a soliton. We prove that the possible orbital instability of these ground states is at most polynomial in time.

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