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<b>Title</b> : A Sensor Failure Detection Scheme Using Analytical Redundancy and U-D Filtering algorithm for LCA.	<b>Document No.</b> PD-FC-9006 <b>Date of issue:</b> Mar 1990	
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<b>Keywords</b> : Sensor failure, Analytical redundancy, Filtering methods		
<b>Abstract</b> : This report documents the performance of a sensor failure detection scheme based on duplex hardware-analytical redundancy. The absolute residuals and accumulated residuals, from U-D factorization filtering algorithm which monitors the performance of the closed loop system of an aircraft, are used for detection and switching purpose when bias and drift type sensor failures occur.		