













Daniel Páez - Luis Miranda





























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Results and discussior	ı					
Measurement of the leadi	ng edge					
	Measure	Distance [m]	Separation of scan lines [mm]	Separation scan point in line [mm]	Density scan mesh[pts/cm^2]	1
	Leading Edge (tilt 1)	1)	Not measurable	Not measurable	-	
		8	1.407	1.2	59	
	Leading Edge (tilt 2	2) 1	Not measurable	Not measurable	-	
		2	1.09	0.754	122	_
		8	2.3	1.27	34	_
		Estimate of damage		Range error		
	Measure	Extension[m m]	Height [mm]	Depth [mm]	Measured [mm]	
	Flan (tilt 1)	-	-	-	6.2	
	T mp (till 1)	53.72	71.8	9.898	3.94	
the second second		-	-	-	5.6	
	Flap (tilt 2)	52.814	72.674	7.4	2.1	
		33.9	/1.18	10.372	2.3	
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<ul> <li>Conclusions</li> <li>The light intensity technic for identification of damages in an aircraft surface appears as a powerful tool</li> <li>We found that TLS for aircraft surface inspection is not recommendable to measure at high incidence angles and at distances between 2 and 5 meters.</li> <li>The most reliable solution for the shiny surfaces challenge is to coat the surface. This might not be a viable solution for aircraft inspection because of cost and extra time required.</li> <li>With the mensuration technics analyzed, the best way was found to be a mean or approximate datum of the dispersion of the data and the range error.</li> <li>The described analysis of the laser scanner data does not describe a proved more reliable inspection than a technical human visual inspection.</li> </ul>
Daniel Páez - Luis Miranda

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Questions?				
Daniel PAEZ Universidad de los Andes, Colombia Cra 1 N° 18A – 12, Office ML-744 Bogotá COLOMBIA Tel. +57 3144829263 Fax +571 3394949 ext 3440 Email: dpaez@uniandes.edu.co Web site: lab.uniandes.edu.co	Luis MIRANDA Universidad de los Andes, Colombia Cra 1 N° 18A – 12, Office ML-341 Bogotá COLOMBIA Tel. +57 3045745141 Fax +571 3394949 ext 2807 Email: Im.miranda80@uniandes.edu.co			
Daniel Páez - Luis Miranda				