

AUXITROL

Some publications written during the AEROTEST project

- “Imaging of laser wings effects and of soot sublimation in laser induced incandescence experiments”, written by CNRS and RR, published in the Applied Physics B81, 181-186.2005;
- “Experimental and theoretical comparison of spatially resolved laser induced incandescence signals of soot in backward and right-angle configuration”, written by CNRS and ULUND, published in Applied Physics B in 2006;
- “In-Situ Laser-Induced Incandescence of Soot in Large Civil Aero-engine Exhaust” written by RR and CNRS, AIAA 2008, ref AIAA 2008-4265;
- publications were published for OPTAM 2004 and 2006 by FZK: “Development of calibration methods for FTIR spectrometry to analyse hot exhausts” and “Imaging scanning FTIR spectrometry to determine the composition of hot exhaust plumes”;
- “Method for On-Site Determination of the Instrument Line Shape of Mobile Remote Sensing Fourier Transform Spectrometers”, written by FZK for SPIE 2005
- “Investigation of temperature and gas concentration distributions in hot exhausts (airplanes and burners) by scanning imaging FTIR spectrometry”, written by FZK for SPIE 2005
- “Remote sensing of aircraft exhaust temperature and composition by passive Fourier Transform Infrared (FTIR)”, written by FZK and RR for SPIE 2007
- “Detection of gas turbines malfunctions from emission concentration distribution” written by NTUA, for ASME - paper GT2007-27107;
- “correlations adaptation for optimal emissions prediction” written by NTUA, for ASME - paper GT2007-27060;