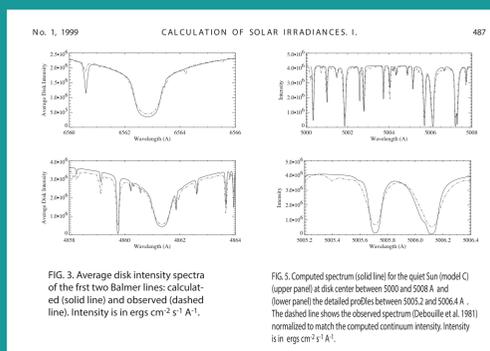


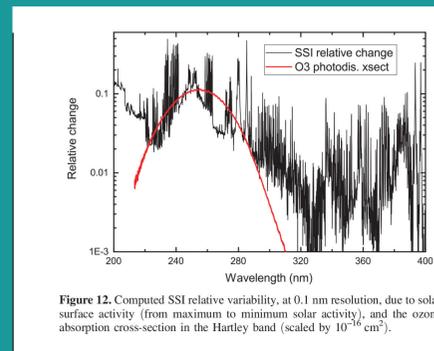
*Juan Fontenla died at home in Simpsonville, SC on January 11, 2018 while surrounded by his wife Graciela and his two sons Santiago and Juan. He was born in Buenos Aires, Argentina, and he completed his Ph.D. in Physics in 1986 from the University of Buenos Aires. He has worked on solar instrumentation and astrophysical plasma models at the Institute for Astronomy and Space Physics (IAFE, Buenos Aires, Argentina), NASA Marshall Space Flight Center (MSFC, Huntsville, AL), NCAR High Altitude Observatory (HAO, Boulder, CO), University of Colorado Laboratory for Atmospheric and Space Physics (LASP, Boulder, CO), and NorthWest Research Associates (NwRA, Boulder, CO). He has made numerous contributions to the study of the sun and stars during his 37-year career. Even during his time working on commercial software development in 1996-2002, he created his sophisticated model of the solar radiation that he named the Solar Radiation Physical Model (SRPM). He is perhaps best known for the SRPM and the application of this model for studying the solar spectral irradiance variability for the NASA Solar Radiation and Climate Experiment (SORCE) mission. He is a member of the American Geophysical Union (AGU), the American Astronomical Society (AAS), and the International Astronomical Union (IAU). You can post condolences for his family and friends at his obituary website at: <https://cannonbyrd.com/john-manuel-fontenla/>.*

## Selected Publications From the Web of Science:

Authors	Manuscript	Year	# of citations
FONTENLA, AVRETT, LOESER	ASTROPHYSICAL JOURNAL <a href="#">ENERGY-BALANCE IN THE SOLAR TRANSITION REGION .1. HYDROSTATIC THERMAL MODELS WITH AMBIPOLAR DIFFUSION</a>	1990	149
FONTENLA, AVRETT, LOESER	ASTROPHYSICAL JOURNAL <a href="#">ENERGY-BALANCE IN THE SOLAR TRANSITION REGION .2. EFFECTS OF PRESSURE AND ENERGY INPUT ON HYDROSTATIC MODELS</a>	1991	111
FONTENLA, AVRETT, LOESER	ASTROPHYSICAL JOURNAL <a href="#">ENERGY-BALANCE IN THE SOLAR TRANSITION REGION .3. HELIUM EMISSION IN HYDROSTATIC, CONSTANT-ABUNDANCE MODELS WITH DIFFUSION</a>	1993	476
Brekke, Rottman, Fontenla, Judge	ASTROPHYSICAL JOURNAL <a href="#">The ultraviolet spectrum of a 3B class flare observed with SOLSTICE</a>	1996	53
Fontenla, White, Fox, Avrett, Kurucz	ASTROPHYSICAL JOURNAL <a href="#">THE LYMAN-ALPHA LINE IN VARIOUS SOLAR FEATURES .1. OBSERVATIONS</a>	1999	179
Fontenla, Avrett, Loeser	ASTROPHYSICAL JOURNAL <a href="#">Energy balance in the solar transition region. IV. Hydrogen and helium mass flows with diffusion</a>	2002	56
Fontenla, Harder, Rottman, Woods, Lawrence, Davis	ASTROPHYSICAL JOURNAL <a href="#">The signature of solar activity in the infrared spectral irradiance</a>	2004	45
Fontenla, Avrett, Thuillier, Harder	ASTROPHYSICAL JOURNAL <a href="#">Semiempirical models of the solar atmosphere. I. The quiet- and active sun photosphere at moderate resolution</a>	2006	102
Fontenla, Balasubramaniam, Harder	ASTROPHYSICAL JOURNAL <a href="#">Semiempirical models of the solar atmosphere. II. The quiet-sun low chromosphere at moderate resolution</a>	2007	60
Fontenla, Curdt, Haberreiter, Harder, Tian	ASTROPHYSICAL JOURNAL <a href="#">SEMIEMPIRICAL MODELS OF THE SOLAR ATMOSPHERE. III. SET OF NON-LTE MODELS FOR FAR-ULTRAVIOLET/EXTREME-ULTRAVIOLET IRRADIANCE COMPUTATION</a>	2009	101



From Fontenla et al.  
ApJ, 1999



From Fontenla et al.  
ApJ, 2015