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Laser Interferometer Space Antenna

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The Laser Interferometer Space Antenna is a spaceborne gravitational wave (GW) observatory adopted by the European Space Agency last January and scheduled for Launch in 2035. Thanks to its Million km-scale arms, it will unveil the GW sky at milliHz frequencies, which are anticipated to be the richest in number and variety of GW sources, ranging from white dwarfs in our galactic neighborhood, all the way to massive black hole binaries (MBHBs) at the epoch of the first galaxies, and possibly to stochastic signals from the Early Universe. I will describe the LISA mission and its science case, set to answer fundamental questions in astrophysics, astronomy and fundamental physics.