AstroMath DLL

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<?xml version="1.0"?>
<doc>
    <assembly>
        <name>AstroMath</name>
    </assembly>
    <members>
        <member name="T:AstroMath.AstronomicalFunctions">
            <summary>
            Name: Francis Sullivan
            Student ID: 30034007
            Date: 2023.08.29
              Description: This DLL provides calculation services with the four following astronomical
              functions:
            Star Velocity, Star Distance, Temperature Conversion and Blackhole Event Horizon.
            </summary>
        </member>
        <member name="M:AstroMath.AstronomicalFunctions.StarVelocity(System.Double,System.Double)">
            <summary>
            Calculate Star Velocity.
            Formula used: v = c ( Δλ / λo )
              Warning! This method contains no error trapping, and will not catch division by zero
              errors.
            Error trapping must be implemented on the client side.
            </summary>
              <param name="observedWavelengthInNanoMetres">Input a double value representing the
              observed wavelength of the body in nano metres.</param>
              <param name="restWavelengthInNanoMetres">Input a double value representing the rest
              wavelength of the body in nano metres.</param>
              <returns>Returns a double value representing the velocity of the body in metres per
              second.</returns>
        </member>
        <member name="M:AstroMath.AstronomicalFunctions.TemperatureConversion(System.Double)">
            <summary>
            Convert Celsius to Kelvin.
            Formula used: K = C + 273.15
              Warning! This method contains no error trapping, and will not catch non-existent
              temperatures such as those below absolute zero.
            Error trapping must be implemented on the client side.
            </summary>
              <param name="temperatureInCelsius">Input a double value representing the temperature in
              celsius that you wish to convert to kelvin.</param>
            <returns>Returns a double value representing your temperature in kelvin.</returns>
        </member>
        <member name="M:AstroMath.AstronomicalFunctions.StarDistance(System.Double)">
            <summary>
            Calculate Star Distance.
            Formula used: D = 1 / P
              Warning! This method contains no error trapping, and will not catch division by zero
              errors.
            Error trapping must be implemented on the client side.
            </summary>
              <param name="paralaxAngleInArcseconds">Input a double value representing the parallax
              angle of the body in arcseconds.</param>
              <returns>Returns a double value representing the distance to the body in
              parsecs.</returns>
        </member>
        <member name="M:AstroMath.AstronomicalFunctions.BlackholeEventHorizon(System.Double)">
            <summary>
            Calculate Blackhole Schwarzschild Radius.
            Formula used: R = ( 2GM ) / c^2
            </summary>
              <param name="blackHoleMassInKilograms">Input a double value representing the mass of the
              body you wish to calculate for in kilograms.</param>
              <returns>Returns a double value representing the Schwarzschild Radius of the body in
              metres.</returns>
        </member>
    </members>
</doc>
```