

Searching the Gaia Database



<https://gea.esac.esa.int/archive/>

Useful Database Fields

<input type="checkbox"/> designation	→	Name of the star	<input type="checkbox"/> distance_gspphot	→	Measures distance from Earth in parsecs 1 parsec = 3.26 light years
<input type="checkbox"/> ra	→	Needed for location 3D graphs			
<input type="checkbox"/> dec	→	Needed for location 3D graphs			
<input type="checkbox"/> non_single_star	→	True indicates binary system False indicates single star			
<input type="checkbox"/> teff_gspphot	→	Measures temperature in K Determines class of star Temperature Ranges & Classes: O-class: > 30,000 K (Very hot, blue stars) B-class: 10,000 - 30,000 K (Blue-white stars) A-class: 7,500 - 10,000 K (White stars) F-class: 6,000 - 7,500 K (Yellow-white stars) G-class: 5,200 - 6,000 K (Yellow stars, like our Sun) K-class: 3,700 - 5,200 K (Orange stars) M-class: < 3,700 K (Red stars)			