

## **The Differential Rotation of Various Solar Features**

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### **Abstract**

The parameters of solar differential rotation of compact magnetic features and hydrogen filaments were calculated for solar activity cycles 20 and 21. Rotation rates of compact magnetic features are higher than rotation rates of hydrogen filaments at all heliographic latitudes. For higher latitudes, the difference between rotation rates of compact magnetic features and hydrogen filaments grows. Hydrogen filaments rotate more differentially than compact magnetic features.