Sphere of influence calculator

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```
function [r] = soi(m_p, d)
% This function computes a planet's sphere of influence and outputs the
% radius in km.
% - m_p - mass of planet [kg]
% - d - distance from the Sun [km]
%
% The function outputs r, the radius of sphere of influence in km
% Constants
m_s = 1.99E30; %[kg]
% Calculate the soi radius
r = ((m_p/m_s)^(2/5))*d;
end
```

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