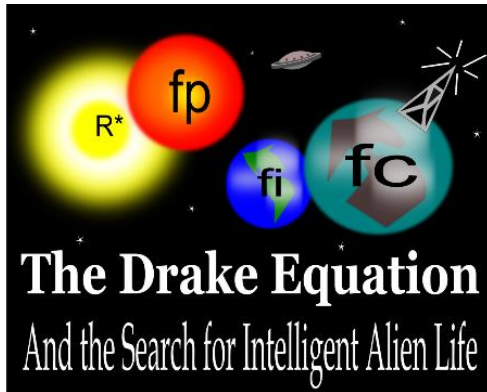


The Drake Equation: A Documentary



Recently, as part of an innovative and fresh approach, i.e., a non-traditional meeting event: we presented video documentaries. This was very warmly received. So, we decided to continue the good work. We proudly present the documentary, *The Search for Life: The Drake Equation*

Summary: A look at the Drake equation, developed by Dr. Frank Drake as a way to think about the number of extraterrestrial civilizations in our galaxy that could exist and communicate with us

At Glance

- **When:**
Date: May 30th, 2025
Time: 1800 – 1930 Hrs
(EST/EDT)
- **Where:**
Online via Webex (to be shared only after you have a confirmed registration)
- **Audience:** OPEN to ALL*

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Chapter

The Drake equation is:^[1]

$$N = R_* \cdot f_p \cdot n_e \cdot f_i \cdot f_c \cdot L$$

where

- N = the number of **civilizations** in the Milky Way galaxy with which communication might be possible (i.e. which are on the current past **light cone**);
- and
- R_* = the average rate of **star formation** in our Galaxy.
- f_p = the fraction of those stars that have **planets**.
- n_e = the average number of planets that can potentially support **life** per star that has planets.
- f_i = the fraction of planets that could support life that actually develop life at some point.
- f_i = the fraction of planets with life that go on to develop **intelligent** life (civilizations).
- f_c = the fraction of civilizations that develop a technology that releases **detectable signs of their existence into space**.
- L = the length of time for which such civilizations release detectable signals into space.^{[6][7]}

***Pre-Registration Required!**

<https://events.vtools.ieee.org/m/479751>



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