## **Wayne Hayes**

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Title: Computational Science

**Abstract:** In the phrase "Computational Science", the *Science* is the operative word; and *Computational* is demoted to a mere adjective. That means I am a scientist first, and whatever data structures, algorithms, coding, analysis, or even *thinking* is geared towards solving scientific problems. It can be any scientific discipline: physics, astronomy, biology, social sciences, or any mix of these. At present I have two primary thrusts: *computer vision* to analyze anything from bacteria to galaxies, and *network analysis* (i.e., graph theory) applied mostly to biological networks.