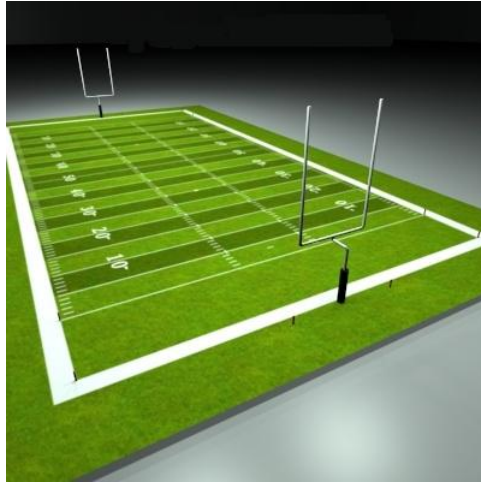


Math/Computer Science Colloquium Series

Tuesday Afternoon

Quarterback

John Reber



In football, the head coach has to make many critical decisions during a game, including implementing a game plan, calling plays, and getting the right combination of players on the field. Some of their most important decisions involve whether to kick an extra point or go for a two point conversion; when to accept and when to decline a penalty; and when to go for it on fourth down and when to punt. (*Some argue you should (almost) never punt.*) Using optimization techniques and probability theory, we'll try to break these decisions down mathematically and figure out which conclusions will maximize our chance of victory—and which will end with us getting fired. Several recent examples from the NFL will be used for illustration. Homemade cookies will be used for ingestion.

Tuesday, December 1

2:45 p.m.

Ivers 218

Homemade Cookies!