

Differential Equations

“Equations that describe the world”

Offered in fall semesters

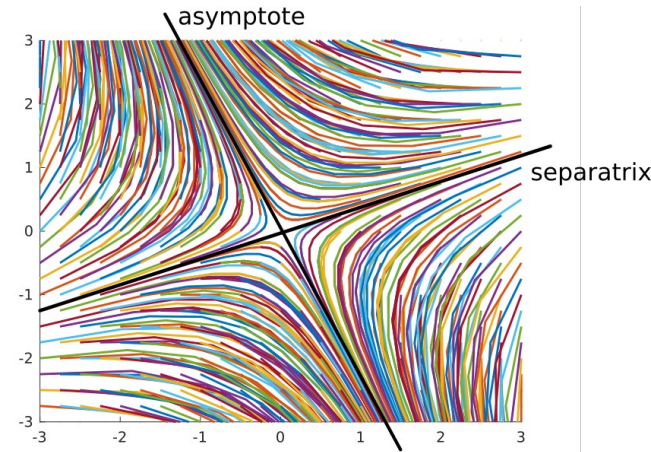
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If calculus courses sparked your interest in mathematics but you still want to know more: this is the course for you.

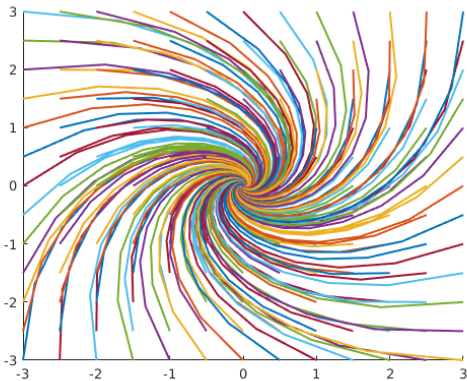


saddle point

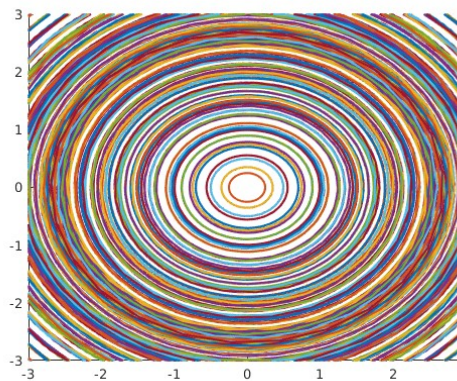
“Many fundamental laws of **physics** and **chemistry** can be formulated as differential equations. In **biology** and **economics** differential equations are used to model the behavior of complex systems. (...) Diverse problems, sometimes originating in quite distinct scientific fields, may give rise to identical differential equations. Whenever this happens, mathematical theory behind the equations can be viewed as a unifying principle behind diverse phenomena.” (Wikipedia)

Prerequisite: Calculus 2

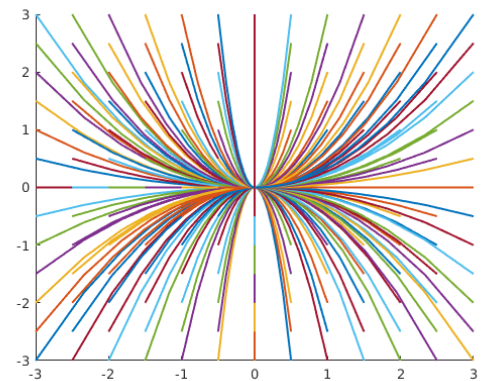
Mathematics Minors: This course can be used as a minor elective.



spiral point



center point



stable node