

SERIES IN COMPUTATIONAL BIOPHYSICS

# Introduction to Python for Science and Engineering

SECOND EDITION

```
...
solution vs t
theta vs t
omega vs theta
...
import numpy as np
import matplotlib.pyplot as plt
from scipy.integrate import solve_ivp
import pandas as pd
import numba as nb
import seaborn as sns

@numba.njit
def f(t, y, Q, d, Omega):
    theta, omega = y
    d_theta_dt = omega
    d_omega_dt = -omega / Q
    return d_theta_dt, d_omega_dt
```

**David J. Pine**



CRC Press  
Taylor & Francis Group

# Python For Computational Science And Engineering

**Marcel A. Müller**



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