Lorenz model, 1963

$$\begin{cases} \dot{X}(t) = & \sigma(Y - X) \\ \dot{Y}(t) = & -XZ + rX - Y \\ \dot{Z}(t) = & XY - bZ \end{cases}$$

as in [1].

Bibliography

[1] Lorenz, E. N. (1963). *Deterministic nonperiodic flow.* Journal of the atmospheric sciences, 20(2), 130-141.