

Gravity Models

Gravity Model

- **BETWEEN** site features modulate movement
- **AT** site features influence allure

$$g_{ij} = k d_{ij}^{\alpha} m_j^{\beta} e_{ij}^{\gamma}$$

The diagram illustrates the Gravity Model equation $g_{ij} = k d_{ij}^{\alpha} m_j^{\beta} e_{ij}^{\gamma}$. Four arrows point from descriptive labels to the components of the equation: a green arrow from 'Genetic Dissimilarity' to d_{ij} , a yellow arrow from 'Euclidean Distance' to d_{ij} , an orange arrow from 'Site-Specific Features' to m_j , and a red arrow from 'Ecological Separation' to e_{ij} .

Genetic Dissimilarity

Euclidean Distance

Site-Specific Features

Ecological Separation