

Oscillations and morphogenesis

M. Dekker. - The Chemical Basis of Morphogenesis on JSTOR

Description: -

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 Radioactive pollution -- Environmental aspects -- Japan -- Akita-ken.
 Nuclear power plants -- Waste disposal -- Japan -- Akita-ken.
 Hazardous waste sites -- Japan -- Akita-ken.

Radioactive waste disposal -- Japan -- Akita-ken.
 Radioactive waste disposal in the ground.

Zone of aeration.

Caissons.

Homeless persons -- United States.

Alcoholics -- United States.

Insane -- Commitment and detention -- United States.

Police power -- United States.

Biological rhythms.

Embryonic periodicity.

Morphogenesis.Oscillations and morphogenesis

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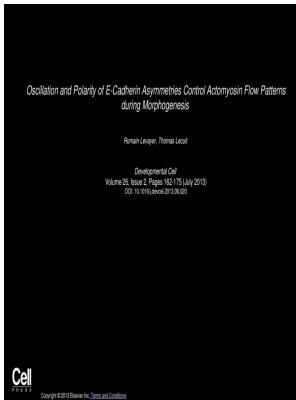
Literature, culture, theory ;

v. 5

Cellular clocks ;Oscillations and morphogenesis

Notes: Includes bibliographical references and index.

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 #(Book, #1993) #[quizapp.evertonfc.com]

Turing patterns

Breaking symmetry Born in London in 1912, Alan Turing is popularly known for his cryptographic activities at Bletchley Park during the second world war, in particular for his role in cracking the Enigma code used by the German navy.

Oscillatory control of Delta

Contents: Applies a self-organization approach to oscillations and periodic pattern formation.

Oscillatory control of Delta

This observation indicates that laminin -dependent adhesion to the ECM is required for effective basal constriction. At this specific stage, tension release triggered a noticeable folding of the retinal tissue toward its basal surface. Individual images were examined manually to correct for automatic segmentation mistakes.

Synergetics and Biological Morphogenesis

Turing showed how, under certain theoretical conditions, interacting morphogens could give rise to dappled patterns made up of blobs of different chemical composition. To measure the length of the apical and basal edges of the retina , we selected a single stack at the central retina and outlined tissue borders using the Fiji tool freehand. However, optic cup development can be recapitulated in vitro in ES cells aggregates suggesting that the morphogenetic program is to a large extent intrinsic.

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