Movement, colour and space

Animation, opacity, stains, zoom, shadow extent and global gravity.

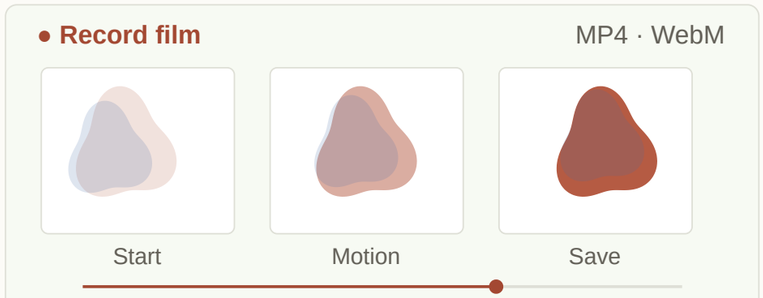
HanSketch

11 Nov

Feature overview · 1 / 2

07 Record the living artwork

New in this release

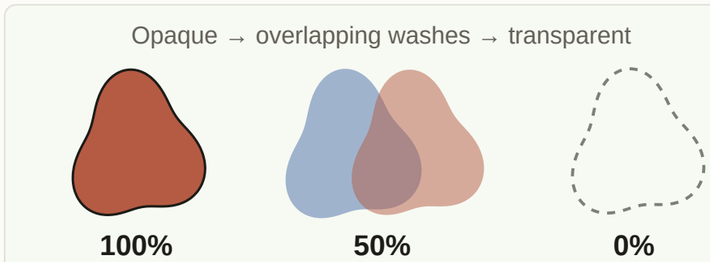


Record artwork without editor guides. Choose duration, target frame rate and image size; save MP4 or WebM where supported. Filmstrip is visible. MOV needs conversion; timing depends on the device.

Export → Record animation… / Filmstrip

08 Choose colour opacity

New in this release

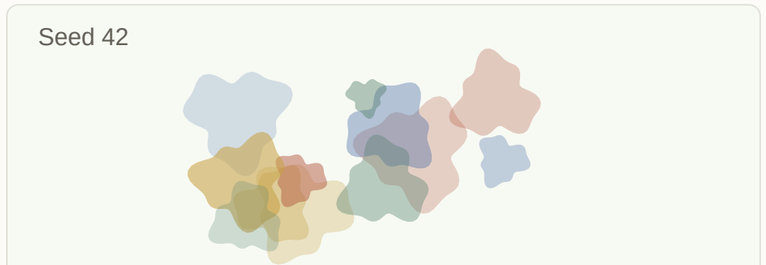


Set opacity for new or selected forms: fully opaque, semi-transparent or transparent. Overlapping forms blend as washes. Freeze preserves the chosen opacity; zero opacity keeps the form’s geometry.

Form properties → Opacity · 100% / 50% / 0%

09 Make pigment stains

New in this release

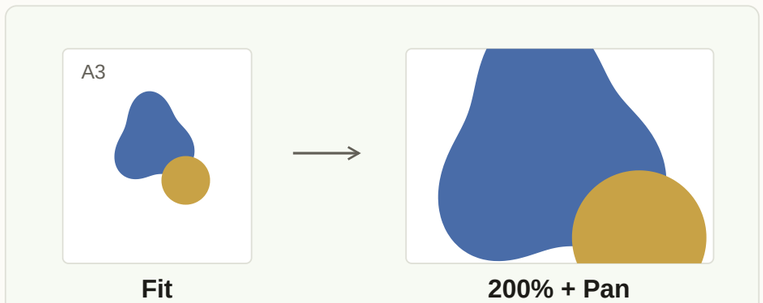


Add twelve irregular, translucent forms from a seed. The loaded palette supplies their colours. They start frozen and can be moved or recoloured. Reuse a seed for the same pattern; each stain remains editable.

Nature Lab → Pigment stains · Seed

10 Zoom in, keep the paper size

New in this release



Zoom with the wheel or + / −. Pan to move around; use two-finger pinch in Pan mode. Fit brings the whole sheet back. Paper dimensions, export resolution and physics stay unchanged.

Canvas view controls → Zoom · Pan · Fit

11 Give the shadow more space

New in this release

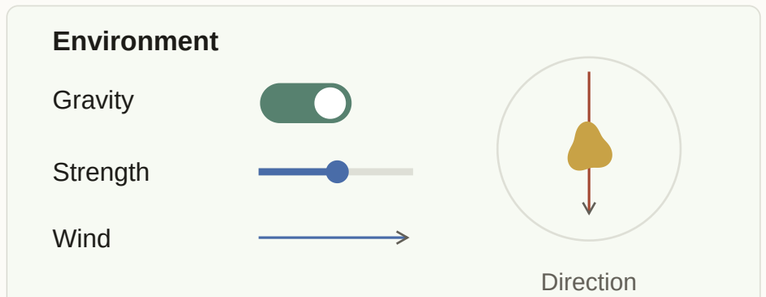


Spread enlarges the shadow’s silhouette. Distance moves it; Softness softens its edge. Larger ranges allow broader relief effects. The artwork exports include these shadow settings.

Relief Shadow → Distance · Softness · Spread

12 Set gravity, direction & wind

New in this release



Environment exposes gravity on/off, direction and wind. Adjust gravity strength with its physics dial. Settings use relative studio units and a directional field, with explanations in the handbook.

Environment + physics bar → Gravity strength

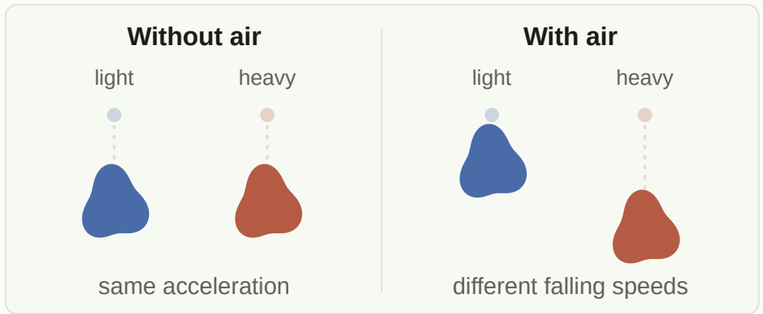
MOV needs external conversion. Recording support and timing depend on the browser/device.

Falling, nature and reliable export

Per-form properties, research, experiments, learning, handbook and the export fix.

13 Different falling, form by form

New in this release



Select forms to set relative mass, air resistance and artistic gravity influence. Without air, mass alone does not change falling acceleration. With drag, light and heavy forms can fall differently.

Form properties → Mass · Air resistance · Gravity influence

14 Research feasible nature methods

Research completed

Methods compared

Falling + elasticity	study layers
Contour growth + branches	bounded experiments
Space colonization	research direction
Gray–Scott patterns	research direction

Compared falling, elasticity, contour growth and rule-based branching, with source links and limits. Space colonization and Gray–Scott remain researched future directions, not active simulation modes.

Research comparison + Handbook → Nature & sources

15 Growing contours & branching

Experimental models

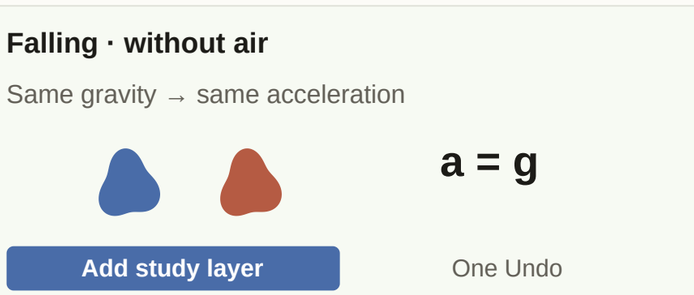


Try bounded 2D contour growth and seeded branches. Growth has page, point and step limits; forms with holes are excluded. Branches are separate paths. These simplified models do not simulate biology.

Nature Lab → Differential contour growth / Branching rules

16 Teach phenomena in the interface

New in this release

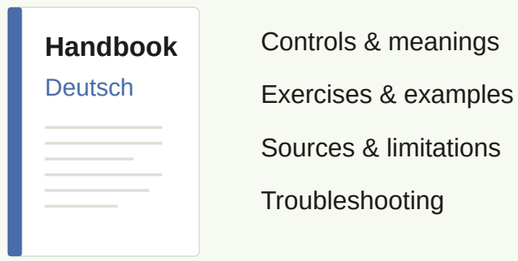


Falling and elasticity studies pair a phenomenon with an explanation and Add study layer. These are simplified models. Studies change global physics; Undo removes the layer and restores prior settings.

Nature Lab → Explanation · Add study layer · Undo

17 A small shared handbook

New in this release

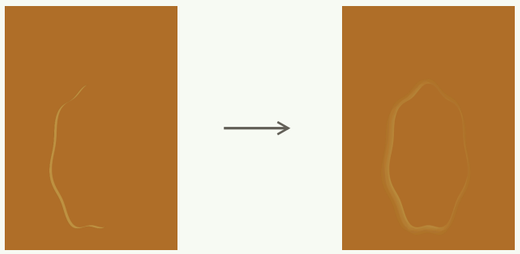


German reference for controls, meanings and examples: materials, gravity, growth, export and shortcuts. Exercises, sources and troubleshooting are included. Open it from the title bar, Help or Nature Lab; print it.

Handbook · Help → Handbook · Nature Lab

18 JPG / PDF: keep the whole shadow

Fixed in this release



The crescent is reproduced when browser blur is ignored. JPG/PDF now reuse canvas shadows; inward edge shadows are fixed too. All 16 comparisons pass. Synthetic reproduction; original scene not replayed.

JPG / artwork PDF · A3 / 300 dpi · shadow repair included

Nature Lab uses simplified artistic models. JPG/PDF shadow repair verified at A3 / 300 dpi.