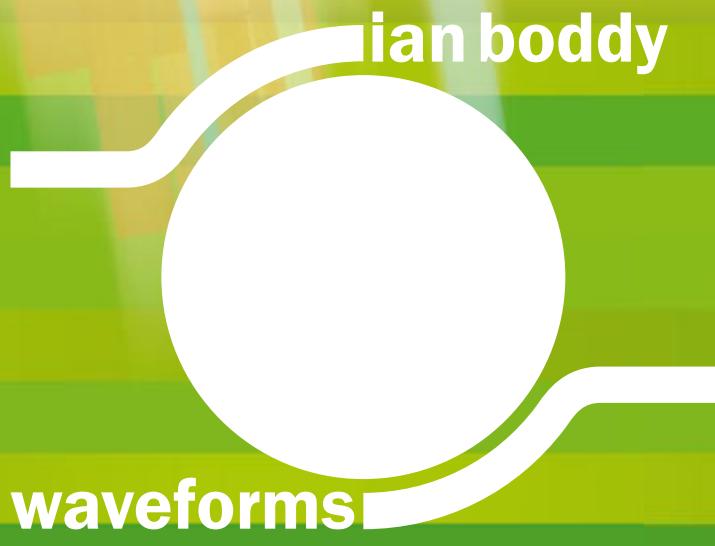


# Analogue Workshop Vol. 1 Distortion & Feedback



ian boddy

waveforms

### Waveforms

Waveforms is a series of downloadable sample libraries from Something Else Music Limited. This company is run by the well respected UK sound designer Ian Boddy who has been producing sample libraries since 1992. His work includes Ambient Volumes 1 & 2, Malice in Wonderland, Morphology, Analogue Sequencer Loops & Outer Limits for Zero-G and Transmission-X for Sample Magic. He has also provided patch & sample content for Camel Audio (including his own Analogica soundbank), LinPlug & Rob Papen Soundware.

Boddy's musical career actually goes all the way back to 1980. He has a successful solo musical career having released over 30 solo & collaborative albums, performed over 150 concerts in the UK, Europe & the USA and runs the highly respected ambient music label DiN which has currently released 39 CDs. Furthermore he also composes library music for the UK's largest independent library music company DeWolfe having written 12 such titles for them to date.

With such a wealth of musical and sound design experience Boddy has finally decided to release his sample productions independently. These products will be marketed under the "Waveforms" banner and will comprise a series of tightly focused sample packs that will only be available in download format. This modern form of product distribution enables costs to be kept down and thus customers can purchase the sounds they want at a very reasonable price. This means that they can be purchased from some of the most respected on-line sample stores at any time.

All the Waveforms libraries are comprised of 350 - 700Mb of 44.1KHz, 24 Bit WAV files. For your convenience Native Instruments Kontakt patches are also provided which are optimised dependant on the audio content of each release.

Distortion & Feedback is the first in the new series of Analogue Workshop sound libraries released by Ian Boddy Waveforms. It is intended that each volume in this series will focus in on one aspect of analogue sound design possible on modular & vintage synthesisers.

This library contains 300 samples (150 longer looped sounds & 150 one shots) meticulously programmed and recorded from analogue modular & vintage synthesisers. As you may surmise from the title of the library these are not for the faint hearted. Every single sound uses some form of either audio or control voltage distortion, feedback or general sonic ill treatment. A new custom designed graphical interface has been scripted in Kontakt to provide even more variation & programming opportunities in the way the sounds are presented. This is rounded out by a set of impulse responses for the convolution reverb taken directly from analogue modules such as spring reverbs & bucket-brigade delays to further enhance the overall sound character.

The sounds & patches run the full gamut from earth shattering drones, twisted pads, piercing modulations and weird transmissions to eerily haunting feedback oscillations. The one-shot section contains a range of crunchy, nasty, throbbing short percussive sounds and FX that can be used to spice up any drum kit or add impact to key moments in your musical compositions.



### **Analogue Workshop Volume 1: Distortion & Feedback**

## **Kontakt 4 Interface**

The sounds have been mapped out into over 500 Kontakt 4 format patches using the new custom designed GUI. They are grouped into two basic categories.

- Raw:** These are the basic raw audio samples (looped where appropriate) presented with all the FX & filter sections turned off in the GUI. For added convenience each folder has an “All” patch for audition purposes. Thus it is easy to play each of the samples as they were recorded or to experiment with the GUI from a default state for creating your own patches.
- Treated:** The same folder structure is used as for the raw sounds but here full use is made of the GUI to further treat & enhance the samples. Furthermore useful collections of similar sounds are grouped into various multi-sets or velocity cross-fade patches. To quickly see how the samples have been mapped out across the keyboard simply click the tool icon in the top left of the GUI to open the Kontakt edit mode. The Mapping Editor should be open by default but if not click it's button.



The GUI is split into two halves. The leftmost one contains the synth shaping controls whereas the rightmost comprises an audio effects chain. Hovering the mouse over any control should show a tooltip in the extreme bottom right of the Kontakt window. The various knobs are colour coded in the different sections for ease of use.

The synth controls are comprised of a multi-mode filter with cutoff & resonance controls. The filter type selector switch can continuously morph between all 3 types of filter (low-pass / high-pass & band-pass) and a simple switch is provided for the selection of 2 or 4 pole filter slopes. The filter can be modulated by several sources. To it's immediate left is a multi-waveform LFO with rate & amount controls. Along the middle of this section are the modulation amounts for envelope 2, modulation wheel & key-track. Note all these 4 modulation controls can have both positive & negative amounts set with zero modulation being set at 12 o'clock. The envelope at the bottom of this section is of the ADSR type. Envelope 1 controls the amplitude of the overall patch and envelope 2 is routed to filter modulation.

The effects section of the GUI is comprised of a set of effects arranged in series. First up we have distortion which also includes a cabinet selection drop down menu. This is followed by phaser, flanger & delay line. Lastly there is the convolution reverb which as previously mentioned includes a set of custom recorded impulse responses taken from analogue modules such as spring reverbs & bucket-brigade delays. Each effect has the most relevant controls directly accessible from the GUI but by entering edit mode further tweaks can be made to these and indeed any of the GUI controls.

## Installation

Simply unzip the downloaded file and place where you wish on your hard drive(s). If you intend to use the Kontakt 4 programs then please leave the internal folder structure intact so that the instruments can find the relevant samples as well as reference the GUI skin & convolution impulse responses. The WAV files and Kontakt patches are prefixed with the DF identifier.

## Technical Data

300 samples at 44.1Khz, 24 bit in WAV format  
Mixture of stereo & mono samples

Raw audio recorded from the following analogue synthesisers:

- Roland System 100-M
- Serge Animal, Audio Interface, Dual Oscillator & custom panels
- Analogue Systems
- Analogue Solutions
- Doepfer A-100
- Cwejman SPH2 & FSH1
- Livewire, Metasonix, Harvestman, WMD & Flight of Harmony modules
- VCS3
- Minimoog & Moog Voyager
- Metasonix TM-2 tube BP filter
- TLA Ebony A2Stereo Processor

Recorded directly into Apple Mac using RME Fireface 400 audio interface  
Samples edited in Bias Peak Pro 5 & Redmatica KeymapPro

Native Instruments Kontakt 4 support provided

Recorded & produced by Ian Boddy December 2011 - March 2012

Audio Demos by Ian Boddy & Nigel Mullaney

Thanks to:

Nigel Mullaney for beta-testing & video editing

Steve Howell @ [www.hollowsun.com](http://www.hollowsun.com) for GUI graphic design & licensing of "RE-201" impulse response

Mario Krušelj for Kontakt scripting

## Customer Support

Please send any support or general questions about this product via E-mail to:  
[ian@ianboddy.com](mailto:ian@ianboddy.com)

For further product information on waveforms sample packs please visit  
[www.din.org.uk/din/node/192](http://www.din.org.uk/din/node/192)

Something Else Music Limited is based in the North-East of England and hence it operates on GMT.

[www.somethingelsemusic.com](http://www.somethingelsemusic.com)

## Contents

### Raw

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#### Drones

All Drones  
 Burble Drone  
 Dissonant Drone  
 Feedback Drone  
 Harsh Drone 01  
 Harsh Drone 02  
 Heavy Weather  
 Hum Spin  
 Lethal Bass Drone  
 Low Dirt  
 Low Drone 01  
 Low Drone 02  
 Machine Noise 01  
 Machine Noise 02  
 Moan Drone 01  
 Moan Drone 02  
 Nasty Drone  
 Overdriven Bass Drone 01  
 Overdriven Bass Drone 02  
 Overdriven Bass Drone 03  
 Overdriven Bass Drone 04  
 Power House  
 Pulsating Drone  
 Rich Distorted Drone  
 Soft Drone 01  
 Soft Drone 02  
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 TM2 Drone 02  
 Tone Drone 01  
 Tone Drone 02  
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 Unstable Drone 02  
 Unstable Drone 03  
 Unstable Drone 04  
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 VCS Drone 02  
 VCS Drone 03

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 Crazy Riff  
 Eerie Singing 01  
 Eerie Singing 02

Feedback Howl  
 Feedback Landscape  
 Feedback Scape 01  
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 Feedback Trumpet  
 LoFi Pulsation  
 Resolve  
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 VCS Feedback 01  
 VCS Feedback 02  
 VCS Feedback 03  
 VCS Feedback 04  
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 VCS Feedback 06  
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 VCS Feedback 08  
 VCS Feedback Loop

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 Death March 02  
 Death March 03  
 Distortosaurus  
 Engine Drone 01  
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 Engine Drone 04  
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 Evil Motorbike 02  
 Grumble Hog  
 Hummer  
 Idling  
 Pebble  
 Rev Out of Sync  
 Throbbing Edge 01  
 Throbbing Edge 02

#### Modulations

Alarmist 01  
 Alarmist 02  
 All Modulations  
 Angry Wasp  
 Annoying Drone 01  
 Annoying Drone 02  
 Blooperage 01  
 Blooperage 02

Blurp  
 Bonkers  
 Crazy Modulations  
 Deep to High Modulation  
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 Glitcher 01  
 Glitcher 02  
 Guttural  
 Low Filth  
 Mega Blooper 01  
 Mega Blooper 02  
 Modulation Madness  
 Modulator 01  
 Modulator 02  
 Modulator 03  
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 Panic Stations  
 Psychotic Bird Song  
 Reverser  
 Rubbish Alarm  
 Screech Alarm  
 Shifting  
 Shredder  
 Very Low Grunge  
 Wheesh Thum  
 Wibble Smash  
 Wobble Alarm  
 Zipper

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 Death Noise 02  
 Distant Wind  
 Extreme Noise 01  
 Extreme Noise 02  
 Extreme Noise 03  
 Extreme Noise 04  
 Extreme Noise 05  
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 Grumbling  
 Intense  
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Clack 02  
Flange BD 01  
Flange BD 02  
Heavy 01  
Heavy 02  
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Res EqBD 02  
Res EqBD 03  
Res EqBD 04  
Res EqBD 05  
Short 01  
Short 04  
Solid 01  
Solid 02  
Sub

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All Events  
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Event 03  
Event 04  
Event 05  
Event 06  
Event 07  
Event 08  
Event 09  
Event 10  
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Muffled 01  
Muffled 02  
Squeak 01  
Squeak 02  
Switch 01  
Switch 02  
Switch 03  
Switch 04  
Switch 05  
Switch 06  
Switch 07  
Switch 08  
Switch 09  
Switched Off 01

Switched Off 02  
Test Tone 01  
Test Tone 02  
Wipe

### One Shots: Hits

All Hits  
Bomb 01  
Bomb 02  
Crunch Hit  
Grit Hit 01  
Grit Hit 02  
Impact 01  
Impact 02  
Impact 03  
Impact 04  
Impact 05  
Long 01  
Long 02  
Long 03  
Long 04  
Soft Thump 01  
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Soft Thump 03  
Soft Thump 04  
Soft Thump 05  
Soft Thump 06  
Soft Thump 07  
Soft Thump 08  
Soft Thump 09  
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Sonar Hit 02  
Sonar Hit 03  
Sonar Hit 04  
Splong  
TBA 01  
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Thrum 01  
Thrum 02  
Thud 01  
Thud 02  
Ugly  
Wallop 01  
Wallop 02  
Wallop 03  
Wallop 04  
Wet Hit 01  
Wet Hit 02  
Wet Hit 03  
Wizz

### One Shots: Nasty

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Broken  
Crunch  
Crunchy  
Dirty Whoosh 01  
Dirty Whoosh 02  
Dirty Whoosh 03  
Futz 01  
Futz 02  
Over Wipe 01  
Over Wipe 02  
Plague 01  
Plague 02  
Plague 03  
Short 05  
Short 06  
Shred Wobble  
Shredwoo  
Wheep 01  
Wheep 02

### One Shots: Percussion

All Percussion  
Blash  
Bleep  
Blip 01  
Blip 02  
Bong 01  
Bong 02  
Bong 03  
Clang 01  
Clang 02  
Flam  
Flange Cabasa  
Hat 01  
Hat 02  
Hat 03  
Hat 04  
Hat 05  
Hat 06  
Hat 07  
Pierce  
Rattle  
Rip  
Shock  
Short 02  
Short 03  
Skeet



Sneeze

Sprung

Thwarp 01

Thwarp 02

Thwarp 03

Tickle

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Toob 02

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Triangle 02

Triangle 03

Triangle 04

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## Transmissions

All Transmissions

Baud Rate

Brittle

Clicker

Hidden Morse

Interferons

Malfunction 01

Malfunction 02

Mish Mash

Nasty Static

On The Edge

Screech

Shreem

Signal 01

Signal 02

Signal 03

Signal 04

Strained

Strange Signals

Sweeping Interference

Swirly Noise FX

Teeth On Edge

## Treated

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### Drones

Burble Drone Wet

Dissonant Drone Echoes

Feedback Drone Overdrive

Harsh Drones

Heavy Weather Pad

Hum Spinner

Lethal Bass Drone Keys

Low Dirt Pulsing

Low Drone 01 Flange

Low Drone 02 Phase

Machine Noise Pulses

Moan Drone Velocity X-fade

Nasty Drone Tweed

Overdriven Bass Drone Cab

Overdriven Bass Drone Keys

Overdriven Bass Drone Velocity X-fade

Power House Flange

Pulsating Drone Band-Pass

Rich Distorted Drone Pad

Soft Drone Velocity X-fade

Thick PWM Band Pass

TM2 Drone Velocity X-fade

Tone Drone 01 Wet

Tone Drone 02 Keys

Unstable Drone Cab Flange

Unstable Drone Keys

Unstable Drone Velocity X-fade

VCS Drone Filter Sweeps

VCS Drone Velocity X-fade

## Feedback

Crazy Riff Wet

Eerie Singing 01 Ambience

Eerie Singing 02 Low Ambience

Feedback Howl Echoes

Feedback Landscape Atmos

Feedback Scape 01 Deep Delay

Feedback Scape 02 Cab

Feedback Trumpet Wet

LoFi Pulsation Sweeps

Resolve Ambience

Tortured Wet Cab

VCS Feedback Ambience

VCS Feedback Fast Release

VCS Feedback Frippertronic

VCS Feedback Loop Flutters

VCS Feedback Staccato

VCS Feedback Sweeping

VCS Feedback Tweed

VCS Feedback Velocity X-fade

## Machines

Between Two States

Death March 01 Tight

Death March 02 Cab

Death March 03 Wet

Distortosaurus Nasty

Engine Drone 01 Wet Phase

Engine Drone 02 Modulations

Engine Drone 03 Wet Sweep

Engine Drone 04 Wobble

Evil Motorbike 01 Wet

Evil Motorbike 02 Cab

Grumble Hog Pulse

Hummer Pulser

Idling Wet Cab

Pebble Wet Modulations

Rev Out of Sync Sweeps

Throbbing Edge Velocity X-fade

### Modulations

Alarmists  
Angry Wasp Space  
Annoying Drone Cab  
Annoying Drone Phased Wet  
Blooperage Velocity X-fade  
Blurp Phased Wet  
Bonkers Modulations  
Crazy Modulations Wet Sweep  
Deep to High Modulation Wet Phase  
Dentists Drill Keys  
Dentists Drill Wet Sweep  
Glitcher Phased  
Glitcher Sweep  
Guttural Cab  
Low Filth Sweep  
Mega Bloopers  
Modulation Madness Matrix  
Modulator Phased Wet  
Modulator Wet Cab  
Modulator Wet Sweep  
Pain Threshold HiPass  
Panic Stations Wet  
Psychotic Bird Song Wet Mods  
Reverser Sweep  
Rubbish Alarm Wet Cab  
Screech Alarm Wet Flange  
Shifting Sweeps  
Shredder Cab Sweep  
Very Low Grunge Cab  
Wheesh Thum Mangled  
Wibble Smash Fast Phase  
Wobble Alarm Wibbled  
Zipper Mush

### Noise

Big Noise Phase Whoosh  
Death Noise  
Distant Wind Ambience  
Extreme Noise 04 Rough Cab  
Extreme Noise 05 Ambience  
Extreme Noises 01 to 03  
Extremely High Wet  
Grime Cab Phase  
Grit Hit  
Grumbling Wet Flange  
Intense Phased Ambience  
Mental Phase Crunch  
Mental x 3  
Scraping Crunch Sweep

### One Shots: Bass Drums

Blurms  
Blurt Cab  
Clack Velocity X-fade  
Flange BD Velocity X-fade  
Heavy Velocity X-fade  
Res EqBDs Split  
Res EqBDs Velocity X-fade  
Short Velocity X-fade  
Solid Velocity X-fade  
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Gargle Grunge  
Muffled Ambience  
Squeak Stereo Echoes  
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Grit Hits Wet Phase  
Impacts Wet  
Long Hit Velocity X-fade 01  
Long Hit Velocity X-fade 02  
Long Hits  
Soft Thump Echo Velocity X-fade  
Soft Thump Pitched Velocity X-fade  
Soft Thumps Verb  
Sonar Hit Velocity X-fade 01  
Sonar Hit Velocity X-fade 02  
Splong Wet Phase  
TBA Velocity X-fade  
Thrum Velocity X-fade  
Thud Velocity X-fade  
Ugly Cab  
Walloping  
Wet Hits  
Wizz Phase Splash

**One Shots: Nasty**

Broken Wet Phase  
Crunch Doubler  
Crunchy Leslie  
Dirty Whooshy Swishy  
Futz Velocity X-fade  
Over Wiped Phase  
Plague Velocity X-fade  
Short Nasty X-fade  
Shred Wobble Wet Flange  
Shredwoo Cab Flange  
Wheeps Velocity X-fade

**One Shots: Percussion**

Blash Phase Verb  
Bleep Overdrive  
Blip Velocity X-fade  
Bong Velocity X-fade  
Clang Velocity X-fade  
Flam Crunch  
Flange Cabasa Phase Echoes  
Hat Velocity X-fade  
Hats x 5  
Pierce Phase Delay  
Rattle Cab  
Rip Band-Pass  
Shock BP Phase  
Short Perc Velocity X-fade  
Skeet Overdrive  
Sneeze Phaser  
Sprung Flange  
Thwarp Velocity X-fade  
Tickle Flange  
Toob Velocity X-fade  
Triangles Velocity X-fade  
Wafer Cab  
Wheeze Velocity X-fade

**Transmissions**

Baud Rate RS&H  
Brittle Filter Pulse  
Clicker Ambience  
Hidden Morse Cab Flange  
Interferons Phase BBD  
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Signals x 3  
Strained Wet Flange  
Strange Signals EchoVerb  
Sweeping Interference Wet Phase  
Swirly Noise FX Ambience  
Teeth On Edge Cab Ambience

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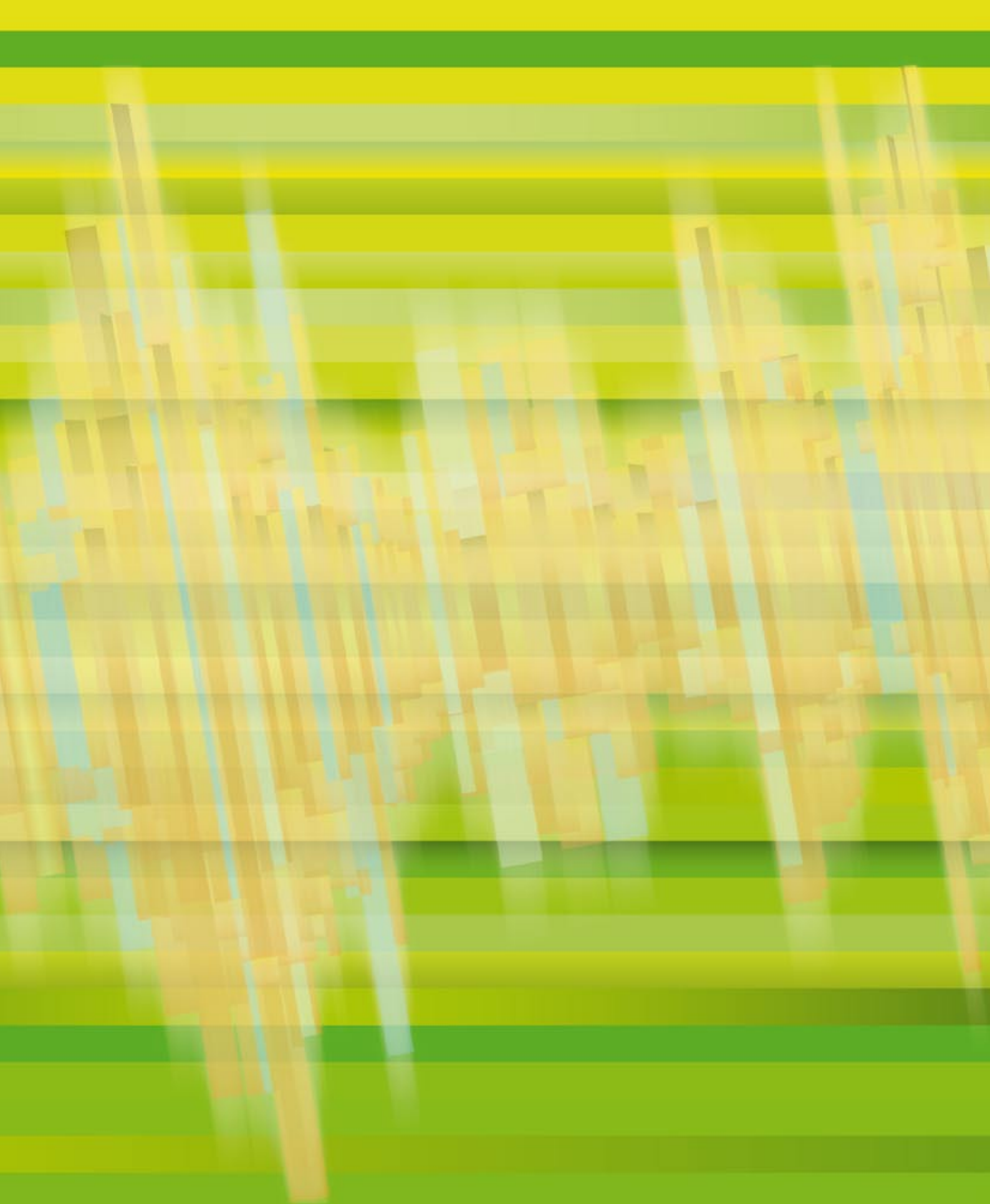
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