

THE iOS APP STORE HAS

38,750 MUSIC APPS.

5,026 MAKE MUSIC. 33,724 DO NOT.

THAT'S 752 PIANOS, 741 DRUMS, 606 SEQUENCERS,
 481 NOVEL APPS, 385 GUITARS, 277 SYNTHS, 246 KARAOKE APPS,
 149 EFFECT APPS, 138 DAWS, 136 MPCs / SAMPLERS, 132 XYLOPHONES, 119 DJ APPS,
 74 ACCORDIONS, 67 BAND APPS, 67 FLUTES, 65 MIDI / OSC APPS, 47 HARPS, 45 AMP SIMS,
 40 BELL APPS, 36 LOOPERS, 36 CHORD SEQUENCERS, 33 BAGPIPES, 33 NOTATION APPS, 33 STEELPANS,
 31 VIOLINS, 25 ORGANS, 24 GAMELAN APPS, 23 TRUMPETS, 23 BALL SIMS, 17 ZITHERS, 16 HARMONICAS, 15 KALIMBAS,
 13 CLARINETS, 11 WATER GLASS APPS, 9 TROMBONES, 9 DULCIMERS, 9 SINGING BOWLS, 9 CELLOS, 8 SAXOPHONES, 7 HORNS, 6 MELODICAS,

5 VUVUZELAS, 4 OCARINAS, 4 WASHBOARDS, 3 CONDUCTING APPS, 3 HANGS, 2 PAN PIPES, 1 ONDES MARTENOT, 1 GUQIN, & 1 KARINDANG.

(we know these things because we downloaded their names, descriptions, and screenshots.)

ALSO 10,057 RADIO APPS, 7,416 MEDIA APPS, 7,161 ARTIST APPS,
 2,806 NON-ENGLISH APPS, 2,052 EDUCATIONAL APPS, 1,406 TOOLS, 905 GAMES,
 354 JUNK APPS, 334 REMOTES, 272 DISCOVERY APPS, 268 CHRISTMAS APPS, 249 PRINT APPS, 220 SOCIAL APPS,
 154 RECORDERS, 50 FITNESS APPS, & 20 FINGERPRINTERS.

THEY ARE MAPPED LIKE THIS:

| | Left to Right | Right to Left | Center to Edge | Top to Bottom | Bottom to Top | Diagonal | Clockwise | Circular | Edge to Center |
|---------|---------------|---------------|----------------|---------------|---------------|----------|-----------|----------|----------------|
| PITCH | 2,142 | 11 | 15 | 35 | 1,007 | 38 | 0 | 33 | 33 |
| TRIGGER | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 0 |
| TIME | 1,559 | 0 | 0 | 153 | 0 | 0 | 9 | 0 | 0 |
| VOLUME | 138 | 128 | 0 | 0 | 1,483 | 0 | 0 | 0 | 0 |
| TIMBRE | 141 | 0 | 0 | 0 | 1,358 | 0 | 0 | 0 | 0 |

| | Continu-ous | Discrete | Playback | Toggle | Touch | Gesture | Shake / Swing | Micro- phone | Audio Input |
|---------|-------------|----------|----------|--------|-------|---------|---------------|-----------------|----------------|
| PITCH | 190 | 3,931 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| TRIGGER | 0 | 0 | 1,104 | 272 | 3,096 | 86 | 20 | 282 | 194 |
| TIME | 612 | 1,042 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VOLUME | 1,630 | 33 | 0 | 9 | 24 | 10 | 20 | 36 | 0 |
| TIMBRE | 1,498 | 33 | 0 | 1,207 | 25 | 2 | 0 | 0 | 0 |

| | Grid | Vertical Size | Overall Size | Colour | Symbolic / Text | Known Layout | Force | Physics |
|---------|------|------------------|-----------------|--------|--------------------|-----------------|-------|---------|
| PITCH | 43 | 105 | 33 | 78 | 69 | 167 | 0 | 12 |
| TRIGGER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| TIME | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 |
| VOLUME | 0 | 0 | 0 | 0 | 33 | 0 | 81 | 23 |
| TIMBRE | 0 | 0 | 0 | 12 | 33 | 746 | 0 | 18 |

Thor Kell & Marcelo M. Wanderley, IDMIL / CIRMMT, McGill University:

A High-Level Review of Mappings in Musical iOS Applications.

Classification data can be found here:

idmil.org/projects/ios_mappings.



McGill