

## **New iOS app allows Deaf People understand Melodies using Geometry**

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Indie developers, Pavlo Karnaukhov and Natalia Kursa today announced the official release of Melody Composer Squared 1.2, an update to their popular music editor for iOS devices. Melody Composer Squared was developed specifically for creating, browsing and editing melodies using their conversions to images. The app uses a diagram, with a coordinate system with two coordinates. The method produces static images on the diagram and suitable for melodies of 4, 8, 12 and 16 bars.

Kiev, Ukraine - Indie developers, Pavlo Karnaukhov and Natalia Kursa today are pleased to announce the official release of Melody Composer Squared 1.2, an update to their popular music editor developed for iPhone, iPad and iPod touch devices. Melody Composer Squared was developed specifically for creating, browsing and editing melodies using their conversions to images. The app uses a diagram, with a coordinate system with two coordinates: one coordinate corresponds to a pitch of a musical note, and the second corresponds to a duration of a note or a pause. The method produces static images on the diagram and suitable for melodies of 4, 8, 12 and 16 bars (\*).

In the menu that opens when you click on the button below the diagram, users can find a library with 10 famous classic melodies: open the library/Classic. Here are visualizations of melodies by Mozart, Beethoven, Vivaldi, Bizet, Grieg, Tchaikovsky, and Pierpont. The library will be supplemented with new melodies in future updates.

"The idea of color music was somewhat compromised by researchers, who had made it without a clear approach when using random experiments instead of completed results," said Pavlo Karnaukhov, visualization author. "So our desire was to put an end to this issue by creating a well thought-out algorithm for the transformation of chords to colors."

Version 1.2 introduces 5 new melodies in a library and a new classic melody in the Classic section (10. Mozart. Allegro). To achieve more stability in a play mode, the method of a switching of the instruments was also changed. Pavlo Karnaukhov is an author of the visualization method and algorithms. Natalia Kursa implemented the code. The duo is currently working on adding color reproduction to the app, which can provide an experience from musical intervals and chords.

A famous german philosopher and mathematician Gottfried Leibniz said "Music is a hidden arithmetic exercise of the soul, which does not know that it is counting. But everything hidden will be revealed. A new approach to music visualization helps us watch a path of a melody from a beginning to the end.

### Device Requirements:

- \* iPhone, iPad, and iPod touch
- \* Requires iOS 8.0 or later
- \* 19.8 MB

### Pricing and Availability:

Melody Composer Squared 1.2 is Free and available worldwide exclusively through the App Store in the Music category. The app offers a single in-app purchase with no ads. Please note that the in-app purchase is not useful for deaf people, because it unlocks features related to listening: sounds of different instruments, tempo, and tonality. (\*) The full method description can be sent on a request, please contact Pavlo Karnaukhov.

### Melody Composer Squared 1.2:

<https://itunes.apple.com/app/melody-composer-squared/id988457961>

prMac: Publish Once, Broadcast the World :: <http://prmac.com>

Screenshots:

[https://drive.google.com/file/d/0B-4q\\_NU6Ap0ROTJHeTVZMzY0Zkk/view?usp=sharing](https://drive.google.com/file/d/0B-4q_NU6Ap0ROTJHeTVZMzY0Zkk/view?usp=sharing)

App Icon:

[https://drive.google.com/file/d/0B-4q\\_NU6Ap0RNmdpWC1HMFRCU1k/view?usp=sharing](https://drive.google.com/file/d/0B-4q_NU6Ap0RNmdpWC1HMFRCU1k/view?usp=sharing)

Located in Ukraine, the Melody Composer Squared team consists of Product Developer, Pavlo Karnaukhov, and iOS Developer, Natalia Kursa. All Material and Software (C) 2015-2016 Melody Composer Squared / All Rights Reserved. Apple, the Apple logo, iPhone, iPod and iPad are registered trademarks of Apple Inc. in the U.S. and/or other countries. Other trademarks and registered trademarks may be the property of their respective owners.

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Link To Article: <https://prmac.com/release-id-79635.htm>

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