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# Image Animation with Keypoint Mask

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## Abstract

TODO OR important transgaga structure realtime  
(Siarohin et al., 2020)

## 1. Electronic Submission

**Paper Deadline:** The deadline for paper submission that is advertised on the conference website is strict. If your full, anonymized, submission does not reach us on time, it will not be considered for publication.

**Anonymous Submission:** ICML uses double-blind review: no identifying author information may appear on the title page or in the paper

**Simultaneous Submission:** ICML will not accept any paper which, at the time of submission, is under review for another conference or has already been published. This policy also applies to papers that overlap substantially in technical content with conference papers under review or previously published. ICML submissions must not be submitted to other conferences and journals during ICML’s review period. Informal publications, such as technical reports or papers in workshop proceedings which do not appear in print, do not fall under these restrictions.

It is a zero following the “-G”, which tells dvips to use the config.pdf file. Newer T<sub>E</sub>X distributions don’t always need this option.

Using pdf<sub>l</sub>at<sub>e</sub>x rather than latex, often gives better results. This program avoids the Type-3 font problem, and supports more advanced features in the microtype package.

**Graphics files** should be a reasonable size, and included from an appropriate format. Use vector formats (.eps/.pdf) for plots, lossless bitmap formats (.png) for raster graphics with sharp lines, and jpeg for photo-like images.

The style file uses the hyperref package to make clickable links in documents. If this causes problems for you,

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add nohyperref as one of the options to the icml2021 usepackage statement.

### 1.0.1. CAMERA-READY AUTHOR INFORMATION

If a paper is accepted, a final camera-ready copy must be prepared.

### 1.1. Abstract

The paper abstract should begin in the left column,

#### 1.1.1. PARAGRAPHS AND FOOTNOTES

Within each section or subsection, you should further partition the paper into paragraphs. Do not indent the first line of a given paragraph, but insert a blank line between succeeding ones.

You can use footnotes<sup>1</sup> to provide readers with additional information about a topic without interrupting the flow of the paper. Indicate footnotes with a number in the text where the point is most relevant. Place the footnote in 9 point type at the bottom of the column in which it appears. Precede the first footnote in a column with a horizontal rule of 0.8 inches.<sup>2</sup>

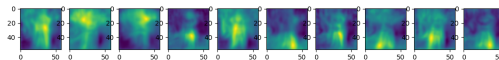


Figure 1.  $K$  channels of the keypoint detector network used in (Siarohin et al., 2020), before the softmax activation. Our main motion prior in this project.

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<sup>1</sup>Footnotes should be complete sentences.

<sup>2</sup>Multiple footnotes can appear in each column, in the same order as they appear in the text, but spread them across columns and pages if possible.

Table 1. Accuracy TODO Dov

DATA SET	NAIVE	FLEXIBLE	BETTER?
BREAST	95.9± 0.2	96.7± 0.2	✓
CLEVELAND	83.3± 0.6	80.0± 0.6	×
GLASS2	61.9± 1.4	83.8± 0.7	✓
CREDIT	74.8± 0.5	78.3± 0.6	
HORSE	73.3± 0.9	69.7± 1.0	×
META	67.1± 0.6	76.5± 0.5	✓
PIMA	75.1± 0.6	73.9± 0.5	
VEHICLE	44.9± 0.6	61.5± 0.4	✓

URL or upload the material as “Supplementary Material” into the CMT reviewing system. Note that reviewers are not required to look at this material when writing their review.

## References

Siarohin, A., Lathuilière, S., Tulyakov, S., Ricci, E., and Sebe, N. First order motion model for image animation, 2020.

## 1.2. Figures

emphafter the graphics, with at least 0.1 inches of space before the caption and 0.1 inches after it, as in 9 point type and centered unless it runs two or more lines, in which case it should be flush left. You may float figures to the top or bottom of a column, and you may set wide figures across both columns (use the environment `figure*` in  $\text{\LaTeX}$ ). Always place two-column figures at the top or bottom of the page.

## 1.3. Algorithms

If you are using  $\text{\LaTeX}$ , please use the “algorithm” and “algorithmic” environments to format pseudocode. These require the corresponding stylefiles, `algorithm.sty` and `algorithmic.sty`, which are supplied with this package.

## 1.4. Tables

You may also want to include tables that summarize material. Like figures, these should be centered, legible, and numbered consecutively. However, place the title *above* the table with at least 0.1 inches of space before the title and the same after it, as in Table 1. The table title should be set in 9 point type and centered unless it runs two or more lines, in which case it should be flush left.

Tables contain textual material, whereas figures contain graphical material. Specify the contents of each row and column in the table’s topmost row. Again, you may float tables to a column’s top or bottom, and set wide tables across both columns. Place two-column tables at the top or bottom of the page.

## Software and Data

If a paper is accepted, we strongly encourage the publication of software and data with the camera-ready version of the paper whenever appropriate. This can be done by including a URL in the camera-ready copy. However, **do not** include URLs that reveal your institution or identity in your submission for review. Instead, provide an anonymous