An experimental LaTeX Poker Package

Olaf Encke <olaf.encke@gmx.de>

This document illustrates the possible variations in displaying playing cards available in the LaTeX poker package.

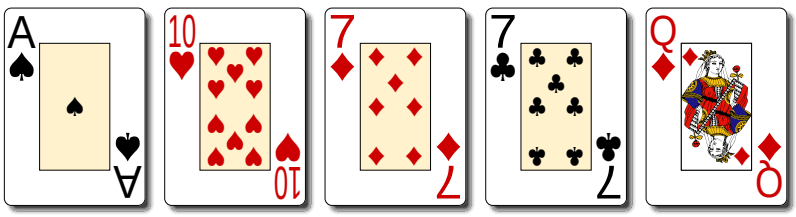
1 Inline Poker symbols

There are several possible styles for inline cards. The default way is as small cards, i.e. A♣ K♥ Q♦ J♠ 10♣. They can also be displayed as simple symbols A♣ K♥ Q♦ J♠ 10♣ or as boxed symbols A ♣ K ♥ Q ♦ J ♠ 10 ♣. A card back is available, too.

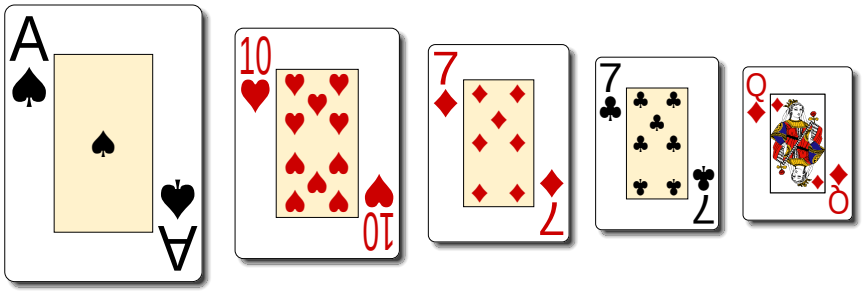
It is also possible to variate the used colorset. In addition to the standard red/black colors, a four color set A♣ K♥ Q♦ J♠ 10♣ as often used in online poker can be chosen. When colors are not desired, i.e. for printing purposes, the possible alternatives are a grayscale version A♣ K♥ Q♦ J♠ 10♣ or complete black/white A ♣ K ♡ Q ♢ J ♠ 10 ♣ with outlined red symbols.

2 Floating Poker cards

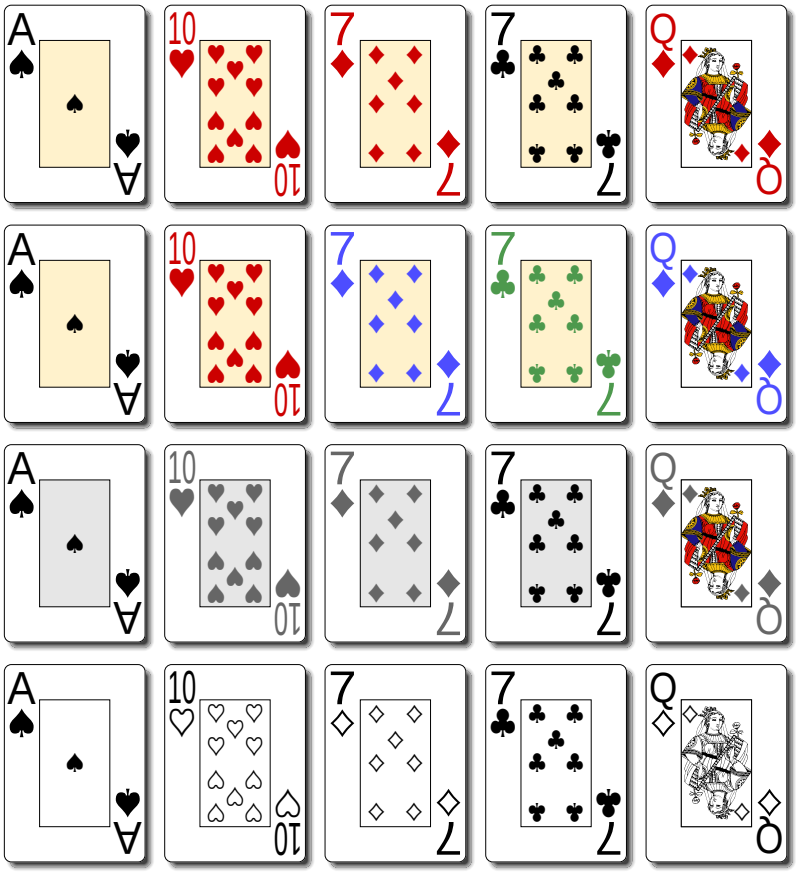
The big floating cards offer a lot of options for design. The default design looks like this.



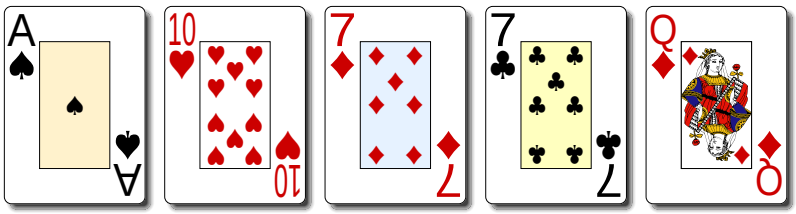
The most basic variation is the **size**.



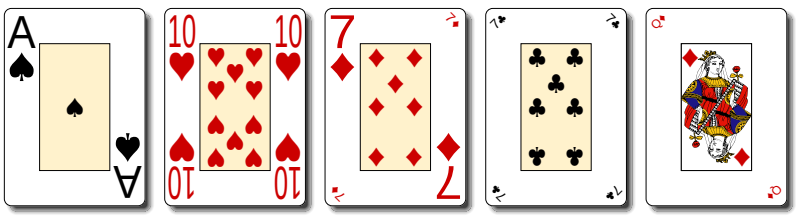
As with the inline cards we can choose the **colorset**.



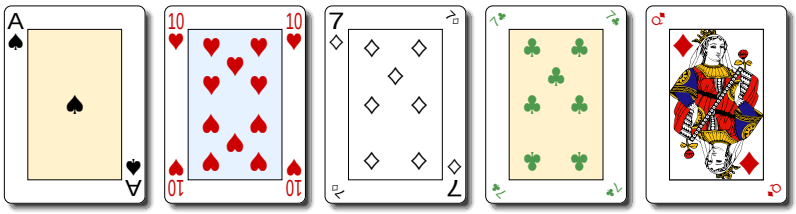
The **frame background** can be varied separately, either with predefined colors as shown here or by using a selfdefined color.



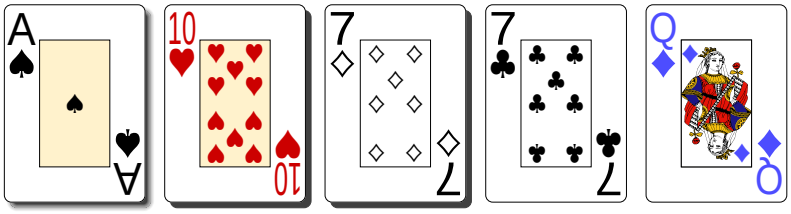
It is also possible to place indices in all **four corners** or use **peek indices**.



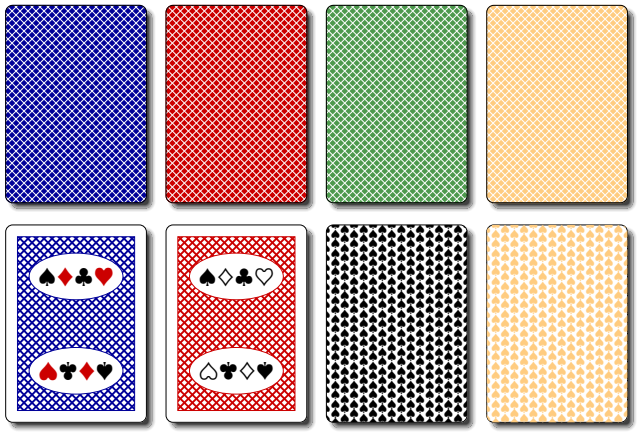
Besides the **jumbo indices** a **regular index** can be used. All other options remain available.



The **shadow** of the cards can be shown blurred, solid or deactivated.



Card backs are also available in various styles and customizable in color.



3 Usage

To make the poker package available within a LaTeX document you have to add

```
\usepackage{poker}
```

to the preamble. Then you can change the options used with the command

```
\setkeys{poker}{option=value[,option=value]}
```

anywhere within the document.

3.1 Inline cards

To print inline cards you just need to call the macro associated with the card you want.

```
\As\tenh\sevd\sevc\Qd
```

creates the cards .

They are coded by their value and suit. Use this table to select the value

Ace	King	Queen	Jack	10	9	8	7	6	5	4	3	2
A	K	Q	J	ten	nine	eig	sev	six	five	four	tre	two

and the next to select the letter for the suit:

Spade	Heart	Diamond	Club
s	h	d	c

You can influence the display of the inline cards with the options `inline` and `colorset`.

Option	Values	Description
`inline`	`symbol`	uses simple symbols to depict cards
	`boxed`	draws rounded boxes around the symbols
	`card` *	draws simplified cards with value and suit stacked vertically
`colorset`	`2c` *	suits in red and black colors
	`4c`	suits in black/red/blue/green colors
	`gs`	grayscaled suits
	`bw`	black/white and outlined suits

*: default

3.2 Floating cards

To insert floating cards you begin with an environment in which the cards are placed.

```
\begin{cards}

\end{cards}
```

The code for floating cards is very similar to the inline cards, you just need to add the prefix `crd` to each macro. Thus the code

```
\begin{cards}
 \crdAs\crdtenh\crdsevd\crdsevc\crdQd
\end{cards}
```

gives us the output shown in fig. 1.

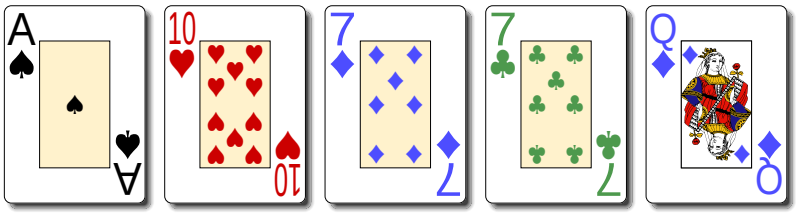


Figure 1: floating cards (default)

3.2.1 Options

Here we have a lot of options available to change the appearance of the cards. They are explained in table 1.

Since the `peek` option modifies the `corners` setting which in turn resets `peek`, it is advisable to first declare the `corners` option and then use the `peek` option if necessary.

The same applies to the `framebg` and `backcolor` options modifying the `colorset` option.

3.2.2 Advanced constructs

There are several commands available for the advanced placement of cards.

```
\begin{cards}
 \crdpair{\crdKs}{\crdtenh}%
 \crdflop{\crdsevd}{\crdsevc}{\crdQd}%
 \crdKc\crdKd%
\end{cards}
```

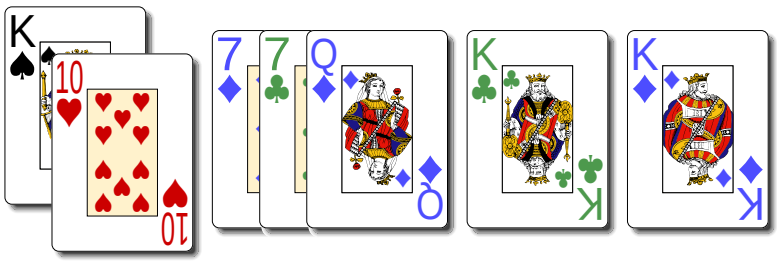


Figure 2: card pair, flop and two cards

Option	Values	Description
cpr	# (*7)	specifies the number of cards per row to be displayed
index	jumbo *	jumbo size indices
	regular	regular size indices
corners	2 *	indices in upper left and lower right corners
	4	indices in all four corners
peek	right	add peek indices to right corners
	left	add peek indices to left corners
	both	add peek indices to all corners
colorset	2c *	suits in red and black colors
	4c	suits in black/red/blue/green colors
	gs	grayscaled suits
	bw	black/white and outlined suits
framebg	beige *	color choices for inner frame background
	blue	
	white	
	yellow	
	<user>	user defined color
back	simple *	diamond/squares styled card back
	suits	suits in ellipse on net background
	spades	spades filled background
backcolor	blue *	color choices of main background elements
	red	
	green	
	gold	
	<user>	user defined color
shadow	blurred *	gradient shadow
	solid	solid black shadow
	none	no shadow

*: default

Table 1: Options for cards using the cards environment

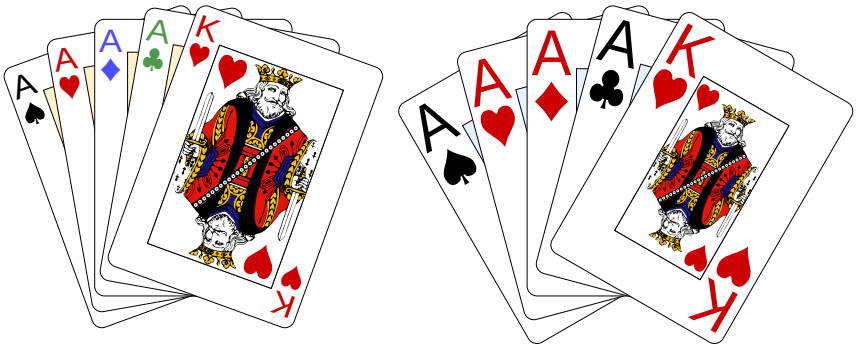
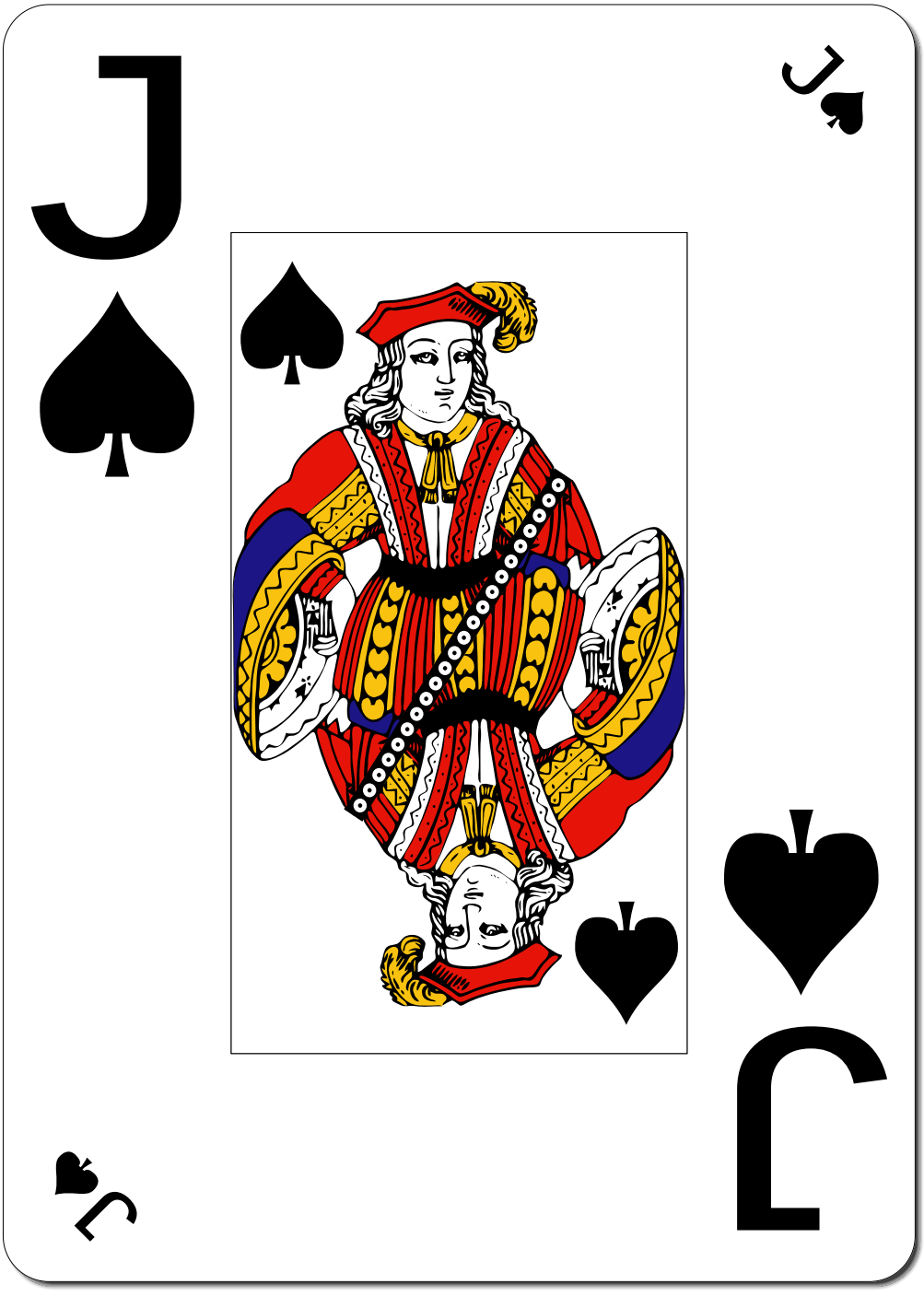


Figure 3: Advanced display variations for floating cards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