









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







STIX Submission for Arrows and harpoons









Glyph	Class	STIX Name	Description	Synonyms
←		slarr	short left arrow	ShortLeftArrow
↑		suarr	ShortUpArrow	ShortUpArrow
→		srarr	short right arrow	ShortRightArrow
↓		sdarr	ShortDownArrow	ShortDownArrow
↕	R	duarr	down arrow, up arrow	DownArrowUpArrow
⇨	R	rarr3	three right arrows	rarr3
⇐	R	loarr	left open arrow	\leftarrowtriangle
⇒	R	roarr	right open arrow	\rightarrowtriangle









Glyph	Class	STIX Name	Description	Synonyms
\longleftrightarrow	R	hoarr	horizontal open arrow	<code>\leftrightharrow*</code>
\longleftarrow	R	xlarr	<code>/longleftarrow</code> A: long left arrow	<code>\longleftarrow</code> ; <code>\longleftarrow</code> ; <code>LongLeftArrow</code>
\longrightarrow	R	xrarr	<code>/longrightarrow</code> A: long right arrow	<code>\longrightarrow</code> ; <code>\longrightarrow</code> ; <code>LongRightArrow</code>
\Lleftarrow	R	xlArr	<code>/Longleftarrow</code> A: long left double arrow	<code>\Llongleftarrow</code> ; <code>\Llongleftarrow</code> ; <code>DoubleLongLeftArrow</code>
\longleftrightarrow	R	xharr	<code>/longleftrightharrow</code> A: long left and right arr	<code>\longleftrightharrow</code> ; <code>harr</code> ; <code>\longleftrightharrow</code> ; <code>LongLeftRightArrow</code>
\Longrightarrow	R	xrArr	<code>/Longrightarrow</code> A: long right double arr	<code>\Longrightarrow</code> ; <code>\longrightarrow</code> ; <code>\longrightarrow</code> ; <code>DoubleLongRightArrow</code>
\longleftrightarrow	R	xhArr	<code>/Longleftrightharrow</code> A: long left and right double arr	<code>\Longleftrightharrow</code> ; <code>xhArr</code> ; <code>\Longleftrightharrow</code> ; <code>DoubleLongLeftRightArrow</code>
\Leftrightarrow	R	iff	<code>/iff</code> if and only if	<code>\iff</code> ; <code>iff</code> ; <code>\iff</code>









Glyph	Class	STIX Name	Description	Synonyms
\longleftarrow	R	xmapfrom	long maps to, leftward	<code>\longmapsfrom</code>
\longrightarrow	R	xmap	<code>/longmapsto</code> A:	<code>\longmapsto</code> ; <code>\longmapsto</code>
\mapsto	R	Map	twoheaded mapsto	<code>bax</code>
\downdownarrows	R	darrln	down arrow with bar	<code>dnarln</code>
\updownarrow	R	uarrln	up arrow with bar	<code>uparln</code>
\Lleftarrow	R	Mapfrom	maps to, double arrow leftward	<code>\Mapsfrom</code>
\Rrightarrow	R	Mapto	maps to, double arrow right	<code>\Mapsto</code>
\Lleftarrow	R	xMapfrom	long maps to, double arrow leftward	<code>\Longmapsfrom</code>









Glyph	Class	STIX Name	Description	Synonyms
	R	xMapto	long maps to, double arrow right	\Longmapsto
	R	nvharr	not, vert, left and right arrow	bbr
	R	nvlArr	not, vert, left double arrow	
	R	nvrArr	not, vert, right double arrow	
	R	nvhArr *	not, vert, left and right double arrow	
	R	zigrarr	right zig-zag arrow	
	R	lbarr	left broken arrow	
	R	rbarr	/bkarow A: right broken arrow	\bkarow









Glyph	Class	STIX Name	Description	Synonyms
	R	lBarr	left doubly broken arrow	
	R	rBarr	/dbkarow A: right doubly broken arrow	\dbkarow
	R	RBarr	/drbkarow A: twoheaded right broken arrow	\drbkarow
	R	DDottrahd	right arrow with dotted stem	
	R	uarrb	up arrow to bar	UpArrowBar
	R	darrb	down arrow to bar	DownArrowBar
	R	varrb	up and down arrow, bar under	
	R	Rarrtl	right two-headed arrow with tail	









Glyph	Class	STIX Name	Description	Synonyms
	R	latail	left arrow-tail	
	R	ratail	right arrow-tail	
	R	lAtail	left double arrow-tail	
	R	rAtail	right double arrow-tail	
	R	larrfs	left arrow, filled square	
	R	rarrfs	right arrow, filled square	
	R	larrbfs	left arrow-bar, filled square	
	R	rarrbfs	right arrow-bar, filled square	

















Glyph	Class	STIX Name	Description	Synonyms
	R	arrllsr	left arrow over short right arrow	arrllsr
	R	arrlrsl	right arrow over short left arrow	arrlrsl
	R	arrsrll	short right arrow over left arrow	ba3
	R		NE-SW arrow	nearr2
	R		NW-SE arrow	nwarr2
	R	nwarhk	NW arrow-hooked	bbc
	R	nearhk	NE arrow-hooked	bbd
	R	swarhk	/hkswarow A: SW arrow-hooked	\hkswarow

Glyph	Class	STIX Name	Description	Synonyms
	R	searhk	/hksearrow A: SE arrow-hooked	\hksearrow
	R	nwnear	NW & NE arrows	\tona
	R	nesear	/toea A: NE & SE arrows	\toea
	R	seswar	/tosa A: SE & SW arrows	\tosa
	R	swnwar	SW & NW arrows	\towa
	R	rarrc	right arrow-curved	ba1
	R	nrarrc	not right arrow-curved	bb1
	R	nrarrw	not right arrow-wavy	

Glyph	Class	STIX Name	Description	Synonyms
	R	ldca	left down curved arrow	bcz
	R	rdca	right down curved arrow	bcy
	R	cudarrl	left, curved, down arrow	
	R	cudarr	right, curved, down arrow	
	R		left undercurving arrow	larrcurb
	R		right undercurving arrow	rarrcurb
	R	curarrm	curved right arrow with minus	
	R	cularrp	curved left arrow with plus	

Glyph	Class	STIX Name	Description	Synonyms
	R	olarr	anticlockwise closed circle arrow	\circlearrowleft; olarr; larrcur
	R	orarr	clockwise closed circle arrow	\circlearrowright; orarr; rarrcur
	R	rarrpl	right arrow, plus	
	R	larrpl	left arrow, plus	
	R	rarrx	right arrow through x	bbl
	R	harrcir	left and right arrow with a circle	
	R	Uarrocir	up two-headed arrow above circle	
		angzarr	angle with down zig-zag arrow	

Glyph	Class	STIX Name	Description	Synonyms
	R	lurdshar	left-up-right-down harpoon	
	R	ldrushar	left-down-right-up harpoon	
	R		left-up-right-up harpoon	LeftRightVector
	R		up-right-down-right harpoon	RightUpDownVector
	R		left-down-right-down harpoon	DownLeftRightVector
	R		up-left-down-left harpoon	LeftUpDownVector
	R		left-up harpoon to bar	LeftVectorBar
	R		right-up harpoon to bar	RightVectorBar

Glyph	Class	STIX Name	Description	Synonyms
	R		up-right harpoon to bar	RightUpVectorBar
	R		down-right harpoon to bar	RightDownVectorBar
	R		left-down harpoon to bar	DownLeftVectorBar
	R		right-down harpoon to bar	DownRightVectorBar
	R		up-left harpoon to bar	LeftUpVectorBar
	R		down-left harpoon to bar	LeftDownVectorBar
	R		left-up harpoon from bar	LeftTeeVector
	R		right-up harpoon from bar	RightTeeVector
Glyph	Class	STIX Name	Description	Synonyms
	R		up-right harpoon from bar	RightUpTeeVector
	R		down-right harpoon from bar	RightDownTeeVector
	R		left-down harpoon from bar	DownLeftTeeVector
	R		right-down harpoon from bar	DownRightTeeVector
	R		up-left harpoon from bar	LeftUpTeeVector
	R		down-left harpoon from bar	LeftDownTeeVector
	R	lHar	left harpoon-up over left harpoon-down	
	R	uHar	up harpoon-left, up harpoon-right	

Glyph	Class	STIX Name	Description	Synonyms
⇒	R	rHar	right harpoon-up over right harpoon-down	
⇓	R	dHar	down harpoon-left, down harpoon-right	
⇐	R	luruhar	left harpoon-up over right harpoon-up	
⇓	R	ldrdhar	left harpoon-down over right harpoon-down	
⇐	R	ruluhar	right harpoon-up over left harpoon-up	
⇓	R	rdldhar	right harpoon-down over left harpoon-down	
⇐	R	lharul	left harpoon-up over long dash	
⇓	R	llhard	left harpoon-down below long dash	

Glyph	Class	STIX Name	Description	Synonyms
⇒	R	rharul	right harpoon-up over long dash	
⇓	R	lrhard	right harpoon-down below long dash	
⇐	R	udhar	up harp, down harp	UpEquilibrium
⇓	R	duhar	down harp, up harp	ReverseUpEquilibrium

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Submission 12-Mar-1998