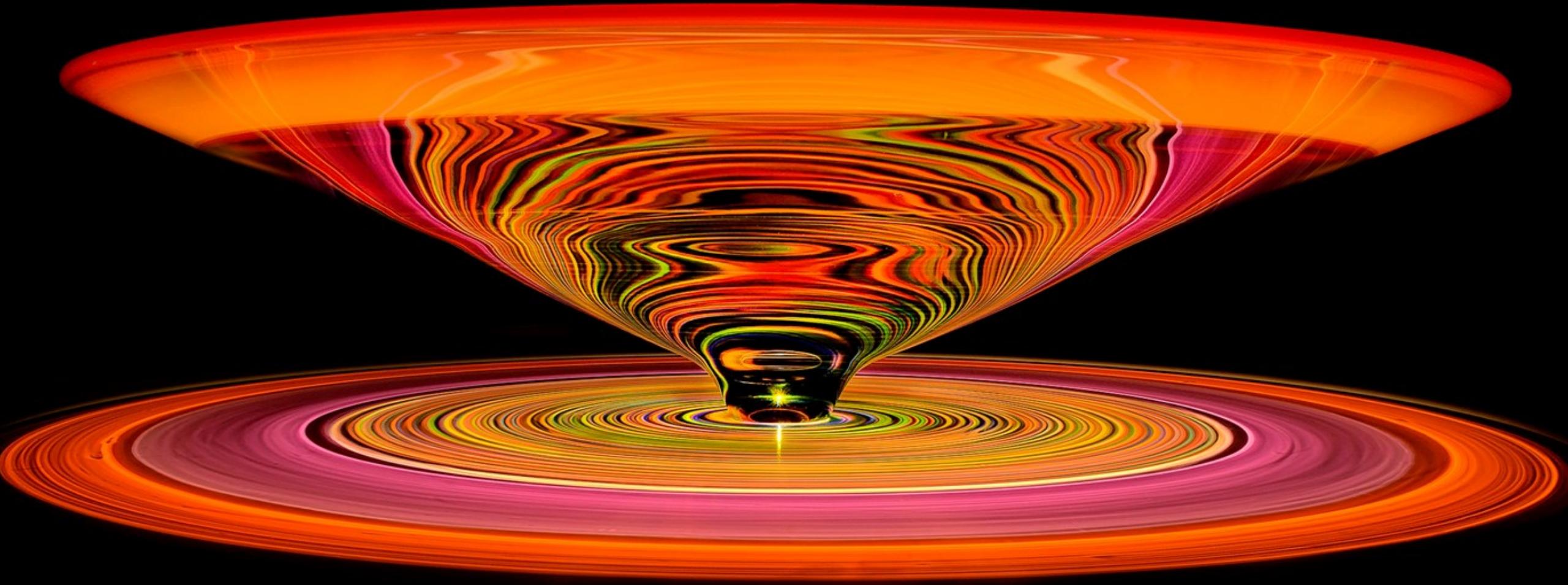


Factors Affecting the Prices of Glass Artwork

Evan Hintz

Centre College





Variables:

- Dependent: Natural Log of Price at which the glass sold in auction
- Independents: Functionality, blown or sculptural, coldworked, color (blue), century created, auction house sold at, etc...

Pre-Roman



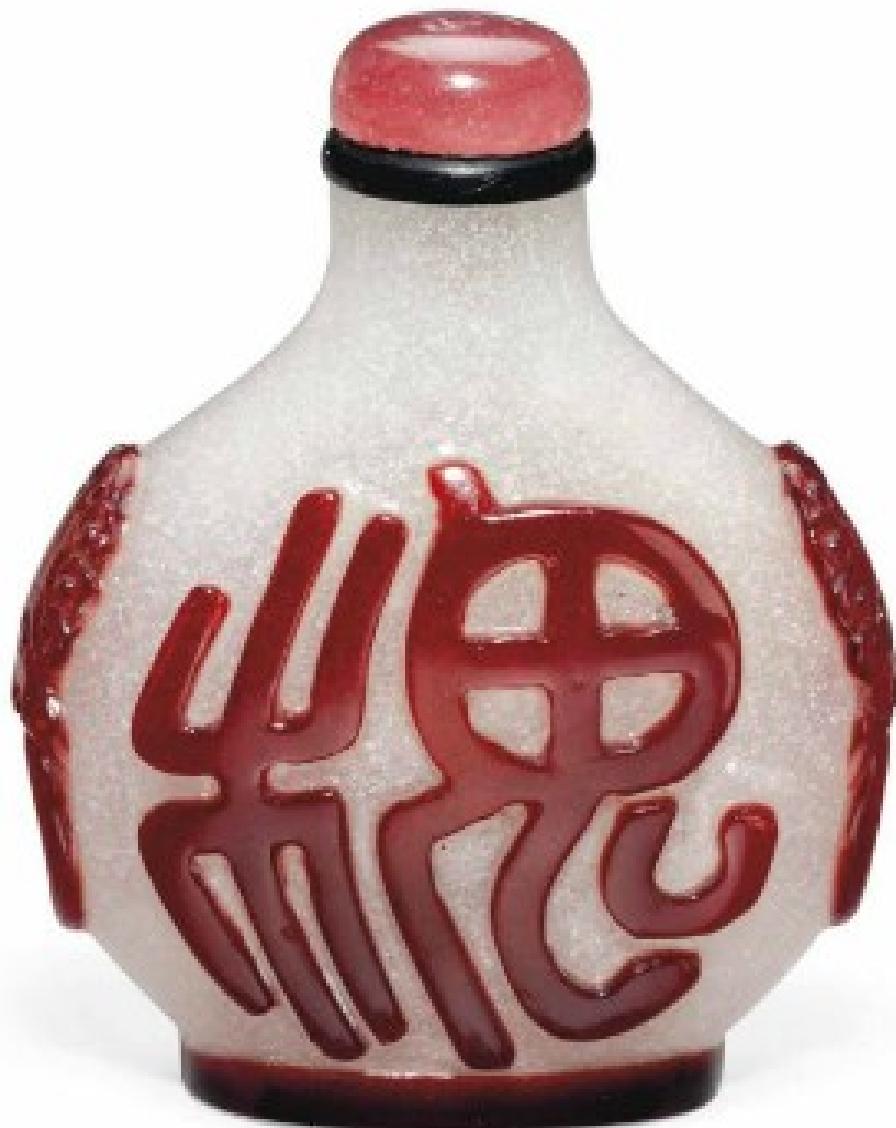
Functionality



Blown or Sculptural



Sets of Glass





Colored Glass



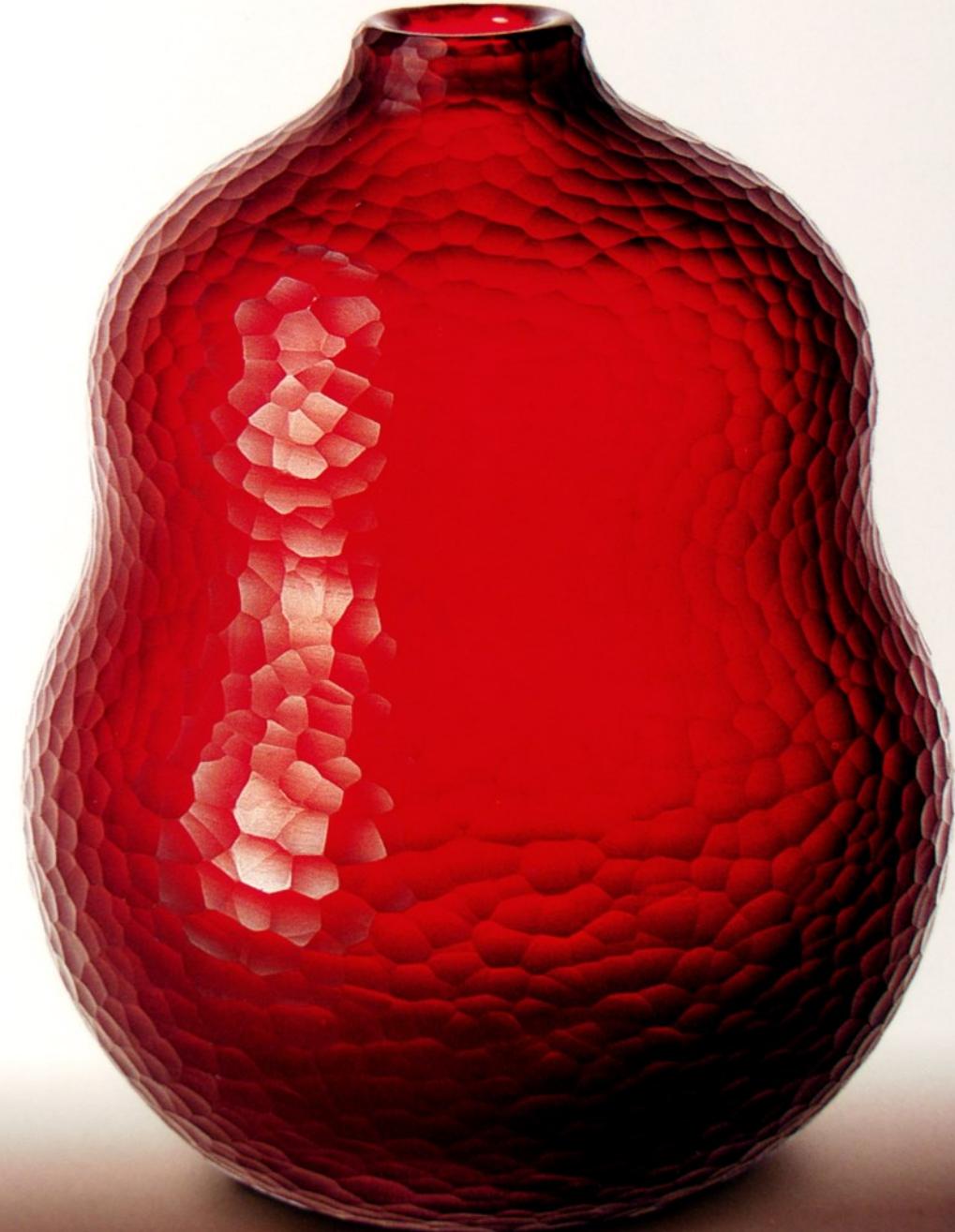
Stemware



Chandeliers and Lamps



Vases



Cold-worked



Cameo



SKINNER

Artist Signatures



Hypothesis:

For ARTIST_i, BLUE_i, MULTC_i, 18C_i, 19C_i, SCULPT_i, VASE_i, STEM_i, CHAND_i, LAMP_i, CAMEO_i, COLD_i, FRENCH_i, ITALIAN_i, and CHINESE_i

$$H_0: \beta \leq 0$$

$$H_A: \beta > 0$$

For BLOWN_i, SET_i, and LONDON_i

$$H_0: \beta = 0$$

$$H_A: \beta \neq 0$$



Sale 12040

Interiors

14 September 2016, London, South Kensington

[Browse Sale](#)

Lot 147

GALLE OVERLAID AND ACID-ETCHED CAMEO GLASS VASE

'WISTERIA', CIRCA 1910, SIGNED

Price Realised i**GBP 1,375**

USD 1,815

Estimate**GBP 1,000 - GBP 1,500**

(USD 1,331 - USD 1,996)

[Change Currency](#)[+ Add to Interests](#)GALLE OVERLAID AND ACID-ETCHED CAMEO GLASS VASE
'WISTERIA', CIRCA 1910, SIGNED



A FAMILLE ROSE ENAMELED GLASS
SNUFF BOTTLE
IMPERIAL, PALACE WORKSHOPS, BEI...

Price Realized: USD 6,250

Lot 526 | Sale 12177
Sep 14 2016
New York, Rockefeller Plaza



THREE BLUE-OVERLAY GLASS SNUFF
BOTTLES
1780-1880

Price Realized: USD 4,750

Lot 516 | Sale 12177
Sep 14 2016
New York, Rockefeller Plaza



THREE RED-OVERLAY CLEAR GLASS
SNUFF BOTTLES
1780-1860

Price Realized: USD 2,750

Lot 499 | Sale 12177
Sep 14 2016
New York, Rockefeller Plaza



TWO OVERLAY GLASS SNUFF
BOTTLES
1780-1880

Price Realized: USD 938

Lot 425 | Sale 12177
Sep 14 2016
New York, Rockefeller Plaza



A PAIR OF LOBMEYR ENAMELED
TRANSLUCENT AMBER GLASS VASES
LAST QUARTER 19TH CENTURY,
ENAM...

Price Realized: USD 42,500

Lot 196 | Sale 12187
Oct 10 2016
New York, Rockefeller Plaza



A FRENCH ENAMELED CLEAR GLASS
VASE
DATED 1876, SIGNED A.(LBERT) PF...

Price Realized: USD 10,000

Lot 194 | Sale 12187
Oct 10 2016
New York, Rockefeller Plaza



TWO FACETED GLASS SNUFF
BOTTLES
PROBABLY IMPERIAL, 1750-1880



A BLUE AND ORANGE-OVERLAY
YELLOW GLASS SNUFF BOTTLE
1760-1840



A RARE RED-SPASHED AND OCHRE
OVERLAY GLASS SNUFF BOTTLE
1789-1860



Summary Statistics

Variable	Observation	Mean	Standard Dev.	Minimum	Maximum
Price	222	9403.995	10198.46	375	72500
Blown	222	.6441441	.4798538	0	1
Set	222	.1711712	.3775097	0	1
Blue	222	.2162162	.4125937	0	1

Linear regression

	Number of obs	=	222
	F(7, 214)	=	10.81
	Prob > F	=	0.0000
	R-squared	=	0.2481
	Root MSE	=	.78212

* = significant at the 10% level
 ** = significant at the 5% level
 *** = significant at the 1% level

		Robust				
lnprice		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
set		-.3020937	.2189938	-1.38	0.169	-.7337548 .1295674
blue		.1662655	.1276949	1.30*	0.194	-.0854353 .4179664
multc		.4656306	.263651	1.77**	0.079	-.0540548 .985316
vase		.2568847	.1064648	2.41***	0.017	.0470307 .4667387
cold		.3013543	.3090451	0.98	0.331	-.3078079 .9105165
artist		.4680335	.1304856	3.59***	0.000	.2108319 .725235
london		.4762311	.1149207	4.14***	0.000	.2497096 .7027527
_cons		7.41991	.4101767	18.09	0.000	6.611406 8.228414

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Journal of Economic Literature, Vol. XLI (September 2003) pp. 763-786

Appendix:

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	222	-288.0314	-250.9432	10	521.8863	555.9131

Estat ic test for Table 6

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	222	-288.0314	-256.3758	8	528.7516	555.973