JANA PARTNERS LLC Form SC 13D/A October 27, 2004

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

SCHEDULE 13D/A Under the Securities Exchange Act of 1934 (Amendment No.4)

NOVOSTE CORPORATION

(Name of Issuer) COMMON STOCK, PAR VALUE \$0.01 PER SHARE

(Title of Class of Securities) 67010C100

(CUSIP Number)

Marc Weingarten, Esq. SCHULTE, ROTH & ZABEL LLP 919 Third Avenue New York, New York 10022 (212) 756-2000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

October 19, 2004

(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of ss.ss.240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box $|_{-}|$.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7 for other parties to whom copies are to be sent.

(page 1 of 5 pages)

^{*} The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, SEE the NOTES).

CUSIP No.		100 		13D/A	Page 2 of 5 Page
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The following constitutes Amendment #4 to the Schedule 13D filed by the undersigned (the "Schedule 13D").

Item 3. Source and Amount of Funds or Other Consideration.

The aggregate purchase price of the 1,327,698 Shares of Common Stock owned beneficially by JANA Partners LLC is \$5,346,769. Such Shares of Common Stock were acquired with investment funds in accounts under management.

Item 5. Interest in Securities of the Issuer.

(a) The aggregate percentage of Shares of Common Stock reported owned beneficially by the Reporting Person is based upon 16,334,705 Shares outstanding, which is the total number of Shares of Common Stock outstanding as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended June 30, 2004.

As of the close of business on October 19, 2004, JANA Partners LLC beneficially owned 1,327,698 Shares of Common Stock, constituting approximately 8.13% of the Shares outstanding.

- (b) The Reporting Person has sole voting and dispositive powers with respect to the Shares reported herein, which powers are exercised by the Principals. All of such Shares were acquired in open-market transactions.
- (c) Schedule A annexed hereto lists all transactions in the Issuer's Common Stock in the last sixty days by the Reporting Person.
- (d) No person other than the Reporting Person is known to have the right to receive, or the power to direct the receipt of dividends from, or proceeds from the sale of, such Shares of the Common Stock.
- (e) Not applicable.

Item 7.	Material	to	be	Filed	as	Exhibits.

None.

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SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: October 27, 2004 JANA PARTNERS LLC By: /s/ Barry S. Rosenstein _____ Barry S. Rosenstein Managing Partner By: /s/ Gary Claar Gary Claar Managing Director 13D/A Page 5 of 5 Pages CUSIP No. 67010C100 SCHEDULE A Transactions in the Shares During the Past 60 Days ______ Shares of Common Stock Purchased (Sold) Price Per Date of Share(\$) Purchase (Sale) JANA PARTNERS LLC _____ 803,222 10/19/04 1.45