SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b) (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2 (b)

GRAHAM CORPORATION								
(Name of Issuer)								
Common Stock, par value \$.10 per share								
(Title of Class of Securities)								
384556106								
(CUSIP Number)								
August 10, 2007								
(Date of Event which Requires Filing of this Statement)								
Check the appropriate box to designate the rule pursuant to which this Schedule is filed: X Rule 13d-1(b) _ Rule 13d-1(c) _ Rule 13d-1(d)								
initial filing	on th uent a	is form with mendment cont	aining informati	ubject class o	of securities, and			
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. 3845	===== 56106	========	13G	=========	Page 2 of 8 Pages			
1. NAMES OR REPORTING PERSONS								
	S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS							
Renaissance Technologies LLC 26-0385758 2. CHECK APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS): (a) _ (b) _								
3. SEC USE ONLY								
4. CITIZENS	HIP OR	PLACE OF ORG	GANIZATION					
Delaware								
	5.	5. SOLE VOTING POWER						
		348,000						
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6.	SHARED VOTING POWER						
		0						
	7.	SOLE DISPOSITIVE POWER						
		352,800						
	8.	. SHARED DISPOSITIVE POWER						
		0						
9. AGGREGAT	E AMOU	NT BENEFICIAL	LY OWNED BY EACH	REPORTING PER	RSON			
352,800								

10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) _							
 11.	PERCENT	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	7.20%	7.20%						
 12.	TYPE OF	REPORT	ING PERSON (SEE INSTRUCTIONS)					
	IA							
			Page 2 of 8 Pages					
===== CUSIP	No. 3845	56106	13G	Page 3 of 8 Pages				
1.			TING PERSONS IDENTIFICATION NOS. OF ABOVE PERSONS					
	James H.	Simon	S					
2.	CHECK AP (a) _ (b) _		ATE BOX IF A MEMBER OF A GROUP (SEE INSTRU	UCTIONS):				
3.	SEC USE							
4.	CITIZENS United S		PLACE OF ORGANIZATION					
			SOLE VOTING POWER					
		••	348,000					
NIIM	BER OF	 6	SHARED VOTING POWER					
SH	ARES FICIALLY							
OWN	ED BY ACH		SOLE DISPOSITIVE POWER					
REP	ORTING RSON		352,800					
	TTH		SHARED DISPOSITIVE POWER					
			0					
 9.	AGGREGAT	E AMOU	NT BENEFICIALLY OWNED BY EACH REPORTING PE	 CRSON				
	352,800							
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) _							
 11.	PERCENT	OF CLA	SS REPRESENTED BY AMOUNT IN ROW (9)					
	7.20%							
 12.	TYPE OF	REPORT	ING PERSON (SEE INSTRUCTIONS)					
	IN							
			Page 3 of 8 Pages					
 CUSIP	No. 3845	56106	13G	Page 4 of 8 Pages				
===== Item	1.	====						
	(a) Na	me of	Issuer.					
			ORPORATION					
	GIV							

(b) Address of Issuer's Principal Executive Offices.

20 Florence Avenue

Item 2.

(a) Name of Person Filing.

This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC") and James H. Simons ("Simons").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

Dr. Simons is a United States citizen and RTC is a Delaware limited liability company

(d) Title of Class of Securities.

Common Stock, par value \$.10 per share

(e) CUSIP Number.

384556106

Page 4 of 8 Pages

Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13d-2(b) or (c), check whether the person filing is a:

- (a) | Broker or dealer registered under Section 15 of the Act.
- (b) $|_{-}|$ Bank as defined in Section 3(a)(6) of the Act.
- (c) | Insurance Company as defined in Section 3(a)(19) of the Act.
- (d) \mid Investment Company registered under Section 8 of the Investment Company Act.
- (e) |X| Investment Adviser in accordance with Sec. 240.13d-1(b)(1)(ii)(E).
- (f) |_| Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d1 (b) (1) (ii) (F).
- (g) | Parent holding company, in accordance with Sec. 240.13d-1(b) (ii) (G).
- (h) |_| A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) | A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940.
- (j) | Group, in accordance with Sec. 240.13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Sec. 240.13d-1(c), check this box $|_|\,.$

Item 4. Ownership

(a) Amount Beneficially Owned.

RTC: 352,800 shares

Simons: 352,800 shares, comprising the shares beneficially owned by RTC, because of Dr. Simons' position as control person of RTC.

- (b) Percent of Class. RTC: 7.20% Simons: 7.20%
- (c) Number of shares as to which each such person has

(i) sole power to vote or to direct the vote: RTC: 348,000 Simons: 348,000

(ii) shared power to vote or to direct the vote: 0

(iv) shared power to dispose or to direct the disposition of:

0

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following $\mid \ \mid$

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report. RIEF Trading LLC holds of record more than 5% of such securities.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Page 6 of 8 Pages

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2008

/s/ James H. Simons
-----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber

Executive Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (see 18 U.S.C. 1001).

Page 7 of 8 Pages

EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING UNDER UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock, par value \$.10 per share of GRAHAM CORPORATION. .

Date: February 12, 2008

/s/ James H. Simons
-----James H. Simons

Renaissance Technologies LLC

By: /s/ Mark Silber

Mark Silber
Executive Vice President

Page 8 of 8 Pages