

# Aspen Technology Announces Financial Results for the Third Quarter of Fiscal 2017

May 2, 2017

BEDFORD, Mass.--(BUSINESS WIRE)--May 2, 2017-- Aspen Technology, Inc. (NASDAQ: AZPN), the asset optimization software company, today announced financial results for its third quarter of fiscal year 2017, ended March 31, 2017.

Antonio Pietri, President and Chief Executive Officer of AspenTech, said "AspenTech reported third quarter fiscal 2017 financial results that exceeded expectations from a revenue and profitability perspective. The demand from our owner-operator customers offset the impact of continued macroeconomic challenges facing engineering and construction and upstream customers."

Pietri continued, "Last week we hosted our biennial OPTIMIZE 2017 user conference, which was focused on Asset Optimization. Customers showed strong interest in the direction of our engineering and manufacturing and supply chain products and the significant value those solutions can capture from increased asset efficiency. A highlight of the conference was the positive customer reaction to our new Asset Performance Maintenance (APM) suite, which expands AspenTech's capabilities into the maintenance of the physical asset by leveraging reliability analysis, machine-based learning, and prescriptive analytics. We are excited by the opportunity for APM and believe it can be an important contributor to growth in the coming years."

Pietri concluded, "At the same time, we continued to utilize our strong cash flow to generate value for shareholders via our share buyback program, which in the third quarter surpassed \$1 billion in cumulative repurchases since the program began in fiscal year 2011."

## Third Quarter Fiscal 2017 Business Highlights

- Annual spend, which the company defines as the annualized value of all term license and maintenance contracts at the end of the quarter, was approximately \$452 million at the end of the third quarter of fiscal 2017, which increased 4.9% compared to the third quarter of fiscal 2016 and 0.3% sequentially.
- GAAP operating margin was 43.8%, compared to 42.5% in the third quarter of fiscal 2016. Non-GAAP operating margin was 48.1%, compared to 49.7% in the third quarter of fiscal 2016.
- AspenTech repurchased 1.7 million shares of its common stock for \$100.0 million in the third guarter of fiscal 2017.

## Summary of Third Quarter Fiscal Year 2017 Financial Results

AspenTech's total revenue of \$119.3 million included:

- Subscription and software revenue was \$111.7 million in the third quarter of fiscal 2017, consistent with \$111.7 million in the third quarter of fiscal 2016.
- Services and other revenue was \$7.6 million in the third quarter of fiscal 2017, an increase from \$7.5 million in the third guarter of fiscal 2016.

For the quarter ended March 31, 2017, AspenTech reported income from operations of \$52.3 million, compared to income from operations of \$50.7 million for the quarter ended March 31, 2016.

Net income was \$35.8 million for the quarter ended March 31, 2017, leading to net income per share of \$0.47, compared to net income per share of \$0.40 in the same period last fiscal year.

Non-GAAP income from operations, which adds back the impact of stock-based compensation expense, amortization of intangibles associated with acquisitions, acquisition-related expenses and non-capitalized acquired technology was \$57.4 million for the third quarter of fiscal 2017, compared to non-GAAP income from operations of \$59.3 million in the same period last fiscal year. Non-GAAP net income was \$39.4 million, or \$0.52 per share, for the third quarter of fiscal 2017, compared to non-GAAP net income of \$40.9 million, or \$0.49 per share, in the same period last fiscal year. A reconciliation of GAAP to non-GAAP results is included in the financial tables included in this press release.

AspenTech had cash and marketable securities of \$101.7 million and borrowings of \$140.0 million at March 31, 2017.

During the third quarter, the company generated \$55.6 million in cash flow from operations and \$56.2 million in free cash flow.

#### **Use of Non-GAAP Financial Measures**

This press release contains "non-GAAP financial measures" under the rules of the U.S. Securities and Exchange Commission. Non-GAAP financial measures are not based on a comprehensive set of accounting rules or principles. This non-GAAP information supplements, and is not intended to represent a measure of performance in accordance with, disclosures required by generally accepted accounting principles, or GAAP. Non-GAAP financial measures should be considered in addition to, not as a substitute for or superior to, financial measures determined in accordance with GAAP. A reconciliation of GAAP to non-GAAP results is included in the financial tables included in this press release.

Management considers both GAAP and non-GAAP financial results in managing AspenTech's business. As the result of adoption of new licensing models, management believes that a number of AspenTech's performance indicators based on GAAP, including revenue, gross profit, operating

income and net income, should be viewed in conjunction with certain non-GAAP and other business measures in assessing AspenTech's performance, growth and financial condition. Accordingly, management utilizes a number of non-GAAP and other business metrics, including the non-GAAP metrics set forth in this press release, to track AspenTech's business performance. None of these non-GAAP metrics should be considered as an alternative to any measure of financial performance calculated in accordance with GAAP.

#### **Conference Call and Webcast**

AspenTech will host a conference call and webcast today, May 2, 2017, at 4:30 p.m. (Eastern Time), to discuss the company's financial results for the third quarter fiscal year 2017 as well as the company's business outlook.

The live dial-in number is (866) 604-6127 or (443) 961-0460, conference ID code 7805720. Interested parties may also listen to a live webcast of the call by logging on to the Investor Relations section of AspenTech's website, <a href="http://www.aspentech.com/corporate/investor.cfm">http://www.aspentech.com/corporate/investor.cfm</a>, and clicking on the "webcast" link. A replay of the call will be archived on AspenTech's website and will also be available via telephone at (855) 859-2056 or (404) 537-3406, conference ID code 7805720, through June 2, 2017.

#### About AspenTech

AspenTech is a leading software supplier for optimizing asset performance. Our products thrive in complex, industrial environments where it is critical to optimize the asset design, operation and maintenance lifecycle. AspenTech uniquely combines decades of process modeling expertise with big data machine-learning. Our purpose-built software platform automates knowledge work and builds sustainable competitive advantage by delivering high returns over the entire asset lifecycle. As a result, companies in capital-intensive industries can maximize uptime and push the limits of performance, running their assets faster, safer, longer and greener. Visit <u>AspenTech.com</u> to find out more.

#### **Forward-Looking Statements**

The third paragraph of this press release contains forward-looking statements for purposes of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Actual results may vary significantly from AspenTech's expectations based on a number of risks and uncertainties, including, without limitation: AspenTech's failure to increase usage and product adoption of aspenONE offerings, and failure to continue to provide innovative, market-leading solutions; demand for, or usage of, aspenONE software declines for any reason, including declines due to adverse changes in the process industries; unfavorable economic and market conditions or a lessening demand in the market for process optimization software; and other risk factors described from time to time in AspenTech's periodic reports filed with the Securities and Exchange Commission. AspenTech cannot guarantee any future results, levels of activity, performance, or achievements. AspenTech expressly disclaims any obligation to update forward-looking statements after the date of this press release.

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## ASPEN TECHNOLOGY, INC. AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF OPERATIONS

(Unaudited in thousands, except per share data)

	Three Months Ended March 31,			ths Ended ch 31,	
	2017	2016	2017	2016	
Revenue:					
Subscription and software	\$111,717	\$ 111,722	\$338,077	\$333,707	
Services and other	7,560	7,495	21,184	24,957	
Total revenue	119,277	119,217	359,261	358,664	
Cost of revenue:					
Subscription and software	5,521	5,266	15,766	15,475	
Services and other	6,746	6,754	19,586	21,405	
Total cost of revenue	12,267	12,020	35,352	36,880	
Gross profit	107,010	107,197	323,909	321,784	
Operating expenses:					
Selling and marketing	22,269	23,090	66,123	66,704	
Research and development	20,348	17,820	57,577	50,398	
General and administrative	12,120	15,606	37,140	42,273	
Total operating expenses	54,737	56,516	160,840	159,375	
Income from operations	52,273	50,681	163,069	162,409	
Interest income	176	90	665	243	
Interest (expense)	(959)	(330)	(2,721)	(344)	
Other (expense) income, net	(56)	(2,686)	1,287	(1,947)	
Income before provision for income taxes	51,434	47,755	162,300	160,361	
Provision for income taxes	15,600	14,584	54,455	53,736	
Net income	\$ 35,834	\$ 33,171	\$107,845	\$106,625	
Net income per common share:					
Basic	\$ 0.47	\$ 0.40	\$ 1.40	\$ 1.28	

Diluted	\$	0.47	\$ 0.40	\$	1.39	\$	1.27
Weighted average shares outstanding:							
Basic	7	75,676	83,081	7	77,221	ł	83,425
Diluted	7	76,182	83,373	7	77,652	ł	83,842

## ASPEN TECHNOLOGY, INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS

(Unaudited in thousands, except share data)

	March 31, 2017	June 30, 2016
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 84,552	\$ 318,336
Short-term marketable securities	17,137	3,006
Accounts receivable, net	35,192	20,476
Prepaid expenses and other current assets	9,655	13,948
Prepaid income taxes	516	5,557
Total current assets	147,052	361,323
Property, equipment and leasehold improvements, net	14,154	15,825
Computer software development costs, net	505	720
Goodwill	50,909	23,438
Intangible assets, net	21,223	5,000
Non-current deferred tax assets	8,868	12,236
Other non-current assets	1,241	1,196
Total assets	\$ 243,952	\$ 419,738
LIABILITIES AND STOCKHOLDERS' DEFICIT		
Current liabilities:		
Accounts payable	\$ 4,643	\$ 3,559
Accrued expenses and other current liabilities	38,342	36,105
Income taxes payable	3,499	439
Borrowings under credit agreement	140,000	140,000
Current deferred revenue	240,791	252,520
Total current liabilities	427,275	432,623
Non-current deferred revenue	27,661	29,558
Other non-current liabilities	38,511	32,591
Commitments and contingencies (Note 16)		
Series D redeemable convertible preferred stock, \$0.10 par value—		
Authorized— 3,636 shares as of March 31, 2017 and June 30, 2016		
Issued and outstanding— none as of March 31, 2017 and June 30, 2016	—	—
Stockholders' deficit:		
Common stock, \$0.10 par value— Authorized—210,000,000 shares		
Issued— 102,484,948 shares at March 31, 2017 and 102,031,960 shares at June 30, 2016 Outstanding— 74,661,804 shares at March 31, 2017 and 80,177,950 shares at June 30, 2016	10.249	10.203
	679,471	659,287
Additional paid-in capital	102,168	,
Retained earnings (deficit) Accumulated other comprehensive income	102,108	(5,676) 2,651
Treasury stock, at cost—27,823,144 shares of common stock at March 31, 2017 and 21,854,010 shares at June 30,	110	2,001
2016	(1,041,499)	(741,499)
Total stockholders' deficit	(249,495)	(75,034)
Total liabilities and stockholders' deficit	\$ 243,952	\$ 419,738

# ASPEN TECHNOLOGY, INC. AND SUBSIDIARIES

CONSOLIDATED STATEMENTS OF CASH FLOWS

(Unaudited in thousands)

	nths Ended ch 31,	Nine Months Ende March 31,		
2017	2016	2017	2016	

Net income   \$ 33,834   \$ 33,171   \$ 107,845   \$ 106,625     Adjustments to reconcile net income to net cash provided by operating activities:   1,693   1,499   4,993   4,519     Net foreign currency losses (gains)   281   2,865   (2,020)   1,421     Stock-based compensation   4,677   4,378   14,307   12,313     Deferred income taxes   987   828   1,169   695     Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,878)     Other non-cash oparating activities   300   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   (13)   1,453   3,648   3,446     Accounts previae xpenses, prepaid income taxes, and other assets   (13)   1,453   3,648   -   5,533     Deferred revenue   27,178   35,028   (13,622)   (23,485)   -     Purchases of marketable securities   5,537   20,916   669,216   52,965 </th <th>Cash flows from operating activities:</th> <th></th> <th></th> <th></th> <th></th>	Cash flows from operating activities:				
Depreciation and amortization   1,693   1,499   4,993   4,519     Net foreign currency losses (gains)   281   2,665   (2,020)   1,421     Stock-based compensation   4,677   4,378   14,307   12,313     Deferred income taxes   987   828   1,169   695     Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,878)     Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   Accounts receivable   (17,438)   (7,207)   (14,944)   8,513     Deferred revenue   27,178   35,028   (13,562)   (23,485)     Deferred revenue   27,178   35,028   (13,622)   (23,485)     Purchases of marketable securities   55,837   20,916   69,216   52,965     Purchases of property, equipment and leasehold improvements   (27,17)   (749)   (2,151)   (2,5067)     Paymen	Net income	\$ 35,834	\$ 33,171	\$ 107,845	\$ 106,625
Net foreign currency losses (gains)   281   2.865   (2,020)   1.421     Stock-based compensation   4.677   4.373   14.307   12.313     Deferred income taxes   987   828   1.169   695     Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   1.878     Excess tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,878)     Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   1.663   (2,276)   6.947   (5,583)     Accounts receivable   (17,438)   (7,207)   (14,944)   8.513     Deferred revenue   27,178   35.028   (13,562)   (23,485)     Parchases of marketable securities   55,621   69,723   109.038   108.895     Cash flows from investing activities:   27,177   (36,171)   -   (255,067)   -   (255,067)   - <t< td=""><td>Adjustments to reconcile net income to net cash provided by operating activities:</td><td></td><td></td><td></td><td></td></t<>	Adjustments to reconcile net income to net cash provided by operating activities:				
Stock-based compensation   4,677   4,378   14,307   12,313     Deferred income taxes   987   828   1,169   695     Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   1,312   47   2,344   1,878     Excess tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,576)     Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   (17,438)   (7,207)   (14,944)   8,513     Accounts receivable   (17,178)   35,028   (13,682)   (22,468)     Deferred revenue   27,178   35,028   (13,682)   (24,465)     Net cash provided by operating activities   55,621   69,723   109,038   108,995     Cash flows from investing activities   -   -   (683,748)   -     Purchases of marketable securities   55,637   20,916   669,216   52,965     Purchases of marketable securities	Depreciation and amortization	1,693	1,499	4,993	4,519
Deferred income taxes   987   828   1,169   695     Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   1,312   447   2,344   1,878     Excess tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,578)     Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   (13)   1,453   3,648   3,446     Accounts receivable   (17,438)   (7,207)   (14,944)   8,513     Deferred revenue   27,178   35,028   (13,562)   (22,485)     Net cash provided by operating activities   55,621   69,723   109,038   108,895     Cash flows from investing activities   -   (683,748)   -   (36,171)   -     Parchases of property, equipment and leasehold improvements   (777)   (749)   (2,5167)   -   (25,067)     Payments for business acquisitions, net of cash acquired   -   -   (36,171)   -<	Net foreign currency losses (gains)	281	-	(2,020)	1,421
Provision for bad debts   169   (2)   225   174     Tax benefits from stock-based compensation   1,312   47   2,344   1,878     Excess tax benefits from stock-based compensation   (1,312)   (47)   (2,344)   (1,878)     Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   390   (14)   430   257     Accounts receivable   (17,438)   (7,207)   (14,944)   8,513     Prepaid expenses, prepaid income taxes, and other assets   (13)   1,453   3,648   3,446     Accounts payable, accrued expenses, income taxes payable and other liabilities   1,863   (2,276)   6,947   (5,583)     Deferred revenue   27,178   35,028   (13,562)   (23,485)   -     Maturities of marketable securities   5,837   20,916   669,216   52,965     Purchases of marketable securities   55,837   20,916   669,216   (2,5067)     Payments for business acquisitions, net of cash acquired   -   - <td< td=""><td>Stock-based compensation</td><td>4,677</td><td>4,378</td><td>14,307</td><td>12,313</td></td<>	Stock-based compensation	4,677	4,378	14,307	12,313
Tax benefits from stock-based compensation 1,312 47 2,344 1,878   Excess tax benefits from stock-based compensation (1,312) (47) (2,344) (1,878)   Other non-cash operating activities 390 (14) 430 257   Changes in assets and liabilities, excluding initial effects of acquisitions: (17,438) (7,207) (14,944) 8,513   Accounts receivable (13) 1,453 3,648 3,446   Accounts receivable (13) 1,453 3,648 3,446   Accounts receivable (13) 1,453 3,648 3,446   Accounts receivable (17,438) (7,207) (14,944) 8,513   Deferred revenue 27,178 35,028 (13,562) (23,465)   Net cash provided by operating activities 55,837 20,916 689,216 52,965   Purchases of marketable securities - (25,067) - (25,067) - (25,067)   Payments for business acquisitions, net of cash acquired - - (36,171) - (26,980) (20,4632)   Cash flows from financing activities 55,034 <td>Deferred income taxes</td> <td>987</td> <td>828</td> <td>1,169</td> <td>695</td>	Deferred income taxes	987	828	1,169	695
Excess tax benefits from stock-based compensation (1,312) (47) (2,344) (1,878)   Other non-cash operating activities 390 (14) 430 257   Changes in assets and liabilities, excluding initial effects of acquisitions: (17,438) (7,207) (14,944) 8,513   Prepaid expenses, prepaid income taxes, and other assets (13) 1,453 3,648 3,446   Accounts payable, accrued expenses, income taxes payable and other liabilities 1,863 (2,276) 6,947 (5,583)   Deferred revenue 27,178 25,028 (13,562) (23,485) 108,035   Cash flows from investing activities 55,621 69,723 109,038 108,895   Purchases of property, equipment and leasehold improvements (777) (749) (2,151) (2,500)   Auturities of marketable securities - - (36,171) -   Payments for capitalized computer software costs (26) - (126) -   Net cash provided by (used in) investing activities 55,034 (234,900) (52,980) (204,632)   Cash flows from financing activities 55,034 (234,900) (52,980) <td< td=""><td>Provision for bad debts</td><td>169</td><td>(2)</td><td>225</td><td>174</td></td<>	Provision for bad debts	169	(2)	225	174
Other non-cash operating activities   390   (14)   430   257     Changes in assets and liabilities, excluding initial effects of acquisitions:   (17,438)   (7,207)   (14,944)   8,513     Accounts receivable   (13)   1,453   3,648   3,446     Accounts payable, accrued expenses, income taxes payable and other liabilities   1,863   (2,276)   6,947   (5,583)     Deferred revenue   27,178   35,028   (13,662)   (23,485)     Net cash provided by operating activities   55,621   69,723   109,038   108,895     Cash flows from investing activities   -   -   (683,748)   -     Purchases of property, equipment and leasehold improvements   (777)   (749)   (2,151)   (2,5067)     Payments for abusines acquisitions, net of cash acquired   -   -   (36,171)   -     Payments for capitalized computer software costs   (26)   -   (126)   -     Net cash provided by (used in) investing activities   55,034   (234,900)   (52,960)   (204,632)     Cash flows from financing activities   55,034   (	Tax benefits from stock-based compensation	1,312	47	2,344	1,878
Changes in assets and liabilities, excluding initial effects of acquisitions:   Accounts receivable   (17,438)   (7,207)   (14,944)   8,513     Prepaid expenses, prepaid income taxes, and other assets   (13)   1,453   3,648   3,446     Accounts payable, accrued expenses, income taxes payable and other liabilities   1,863   (2,276)   6,947   (5,583)     Deferred revenue   27,178   35,028   (13,562)   (23,485)     Net cash provided by operating activities   55,621   69,723   109,038   108,895     Cash flows from investing activities   -   -   (683,748)   -     Maturities of marketable securities   -   -   (683,748)   -     Purchases of marketable securities   -   (25,507)   -   (255,067)     Payments for business acquisitions, net of cash acquired   -   -   (36,171)   -     Payments for capitalized computer software costs   (26)   -   (126)   -     Repurchases of stock options   3,049   417   7,892   2,862     Repurchases of stock options   3,049   417 </td <td>Excess tax benefits from stock-based compensation</td> <td>(1,312)</td> <td>(47)</td> <td>(2,344)</td> <td>(1,878)</td>	Excess tax benefits from stock-based compensation	(1,312)	(47)	(2,344)	(1,878)
Accounts receivable $(17,438)$ $(7,207)$ $(14,944)$ $8,513$ Prepaid expenses, prepaid income taxes, and other assets $(13)$ $1,453$ $3,648$ $3,446$ Accounts payable, accrued expenses, income taxes payable and other liabilities $1,863$ $(2,276)$ $6,947$ $(5,583)$ Deferred revenue $27,178$ $35,028$ $(13,562)$ $(23,485)$ $(23,485)$ Net cash provided by operating activities $55,621$ $69,723$ $109,038$ $108,895$ Cash flows from investing activities $  (683,748)$ $-$ Purchases of marketable securities $  (683,748)$ $-$ Purchases of property, equipment and leasehold improvements $(7777)$ $(749)$ $(2,151)$ $(2,530)$ Acquisition related deposits $  (265,067)$ $ (225,067)$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from financing activities $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Exercises tax benefits from stock-based compensation $1,312$ $47$ <t< td=""><td>Other non-cash operating activities</td><td>390</td><td>(14)</td><td>430</td><td>257</td></t<>	Other non-cash operating activities	390	(14)	430	257
Prepaid expenses, prepaid income taxes, and other assets (13) 1,453 3,648 3,446   Accounts payable, accrued expenses, income taxes payable and other liabilities 1,863 (2,276) 6,947 (5,583)   Deferred revenue 27,178 35,028 (13,562) (23,485)   Net cash provided by operating activities 55,621 69,723 109,038 108,895   Cash flows from investing activities - - (683,748) -   Purchases of marketable securities - - (683,748) -   Purchases of property, equipment and leasehold improvements (777) (749) (2,151) (2,5007)   Acquisition related deposits - - (36,171) - -   Payments for business acquisitions, net of cash acquired - - (36,171) -   Payments for capitalized computer software costs (26) - (126) -   Net cash provided by (used in) investing activities 55,034 (234,900) (52,980) (204,632)   Cash flows from financing activities 3,049 417 7,892 2,862   Repurchases of common stock <td< td=""><td>Changes in assets and liabilities, excluding initial effects of acquisitions:</td><td></td><td></td><td></td><td></td></td<>	Changes in assets and liabilities, excluding initial effects of acquisitions:				
Accounts payable, accrued expenses, income taxes payable and other liabilities 1,863 (2,276) 6,947 (5,583)   Deferred revenue 27,178 35,028 (13,562) (23,485)   Net cash provided by operating activities 55,621 69,723 109,038 108,895   Cash flows from investing activities - - (683,748) -   Maturities of marketable securities 55,837 20,916 669,216 52,965   Purchases of property, equipment and leasehold improvements (777) (749) (2,151) (2,5007)   Payments for capitalized computer software costs (26) - (126) - (25,067) - (25,067) - (25,067) - (25,067) - (25,067) - (25,067) - (26,072) - (26,072) - (26,072) - (25,067) - (25,067) - (26,072) - (26,072) - (25,067) - (25,067) - (25,067) - (25,067) - (26,02) - (126) - - (36,171) - 27,058 26,02 -	Accounts receivable	(17,438)	(7,207)	(14,944)	8,513
Deferred revenue   27,178   35,028   (13,562)   (23,485)     Net cash provided by operating activities   55,621   69,723   109,038   108,895     Cash flows from investing activities   -   -   (683,748)   -     Maturities of marketable securities   55,837   20,916   669,216   52,965     Purchases of property, equipment and leasehold improvements   (777)   (749)   (2,151)   (2,55,067)     Payments for business acquisitions, net of cash acquired   -   -   (36,171)   -     Payments for capitalized computer software costs   (26)   -   (126)   -     Net cash provided by (used in) investing activities   55,034   (234,900)   (52,980)   (204,632)     Cash flows from financing activities:   -   -   (146,038)   (295,642)   (103,128)     Payments of tax withholding obligations related to restricted stock   (1,560)   (1,216)   (4,346)   (3,404)     Exercises of stock options   3,049   417   7,892   2,862     Repurchases of common stock   (96,058)   (46,338)	Prepaid expenses, prepaid income taxes, and other assets	(13)	1,453	3,648	3,446
Net cash provided by operating activities $(109,038)$ $(109,038)$ $(108,035)$ Cash flows from investing activities: $55,621$ $69,723$ $109,038$ $108,035$ Purchases of marketable securities $  (683,748)$ $-$ Maturities of marketable securities $  (683,748)$ $-$ Purchases of property, equipment and leasehold improvements $(777)$ $(749)$ $(2,151)$ $(2,530)$ Acquisition related deposits $  (36,171)$ $-$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from financing activities: $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Exercises of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of credit agreement $  140,000$ $ 140,000$ Payments of credit agreement $  (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $93,257$ $91,323$ $(289,752)$ $36,621$ Effect of exchange	Accounts payable, accrued expenses, income taxes payable and other liabilities	1,863	(2,276)	6,947	(5,583)
Cash flows from investing activities:Purchases of marketable securities(683,748)-Maturities of marketable securities55,83720,916669,21652,965Purchases of property, equipment and leasehold improvements(777)(749)(2,151)(2,530)Acquisition related deposits-(255,067)-(255,067)Payments for business acquisitions, net of cash acquired(36,171)-Payments for capitalized computer software costs(26)-(126)-Net cash provided by (used in) investing activities55,034(234,900)(52,980)(204,632)Cash flows from financing activities:-3,0494177,8922,862Repurchases of common stock(96,058)(46,338)(295,642)(103,128)Payments of tax withholding obligations related to restricted stock(1,560)-(1,560)(1,216)Exercises form credit agreement-140,000-140,000Payments of credit agreement-140,000-(1,587)Net cash (used in) provided by financing activities(93,257)91,323(289,752)36,621Effect of exchange rate changes on cash and cash equivalents128141(90)(223)Increase (decrease) in cash and cash equivalents17,526170,623318,336156,249Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period <td>Deferred revenue</td> <td>27,178</td> <td>35,028</td> <td>(13,562)</td> <td>(23,485)</td>	Deferred revenue	27,178	35,028	(13,562)	(23,485)
Purchases of marketable securities $  (683,748)$ $-$ Maturities of marketable securities $55,837$ $20,916$ $669,216$ $52,965$ Purchases of property, equipment and leasehold improvements $(777)$ $(749)$ $(2,151)$ $(2,530)$ Acquisition related deposits $ (255,067)$ $ (255,067)$ $-$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from financing activities: $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(23,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $$84,552$ <	Net cash provided by operating activities	55,621	69,723	109,038	108,895
Maturities of marketable securities $55,837$ $20,916$ $669,216$ $52,965$ Purchases of property, equipment and leasehold improvements $(777)$ $(749)$ $(2,151)$ $(2,530)$ Acquisition related deposits $ (255,067)$ $ (255,067)$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ <b>Cash flows from financing activities:</b> $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $93,257$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, end of period $84,552$ $96,910$ $$84,552$ $$96,910$ $$84,552$ $$96,910$ Supplement	Cash flows from investing activities:				
Purchases of property, equipment and leasehold improvements $(777)$ $(749)$ $(2,151)$ $(2,530)$ Acquisition related deposits $ (255,067)$ $ (255,067)$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from financing activities: $3,049$ $417$ $7,892$ $2,862$ Exercises of stock options $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $  (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, end of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $$84,552$ $$96,910$ <td>Purchases of marketable securities</td> <td>_</td> <td>—</td> <td>(683,748)</td> <td></td>	Purchases of marketable securities	_	—	(683,748)	
Acquisition related deposits $ (255,067)$ $ (225,067)$ Payments for business acquisitions, net of cash acquired $  (36,171)$ $-$ Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ <b>Cash flows from financing activities:</b> $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ <b>R</b> epurchases of stock options $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ 140,000$ Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $93,257$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, end of period $67,026$ $170,623$ $318,336$ $156,249$ Supplemental disclosure of cash flow information: $$16,742$ $$17,115$ $$4$	Maturities of marketable securities	55,837	20,916	669,216	52,965
Payments for business acquisitions, net of cash acquired(36,171)-Payments for capitalized computer software costs(26)-(126)-Net cash provided by (used in) investing activities55,034(234,900)(52,980)(204,632)Cash flows from financing activities:3,0494177,8922,862Repurchases of common stock(96,058)(46,338)(295,642)(103,128)Payments of tax withholding obligations related to restricted stock(1,560)(1,216)(4,346)(3,404)Excess tax benefits from stock-based compensation1,312472,3441,878Proceeds from credit agreement-140,000-140,000Payments of credit agreement issuance costs-(1,587)-(1,587)Net cash (used in) provided by financing activities(93,257)91,323(289,752)36,621Effect of exchange rate changes on cash and cash equivalents128141(90)(223)Increase (decrease) in cash and cash equivalents17,526(73,713)(233,784)(59,339)Cash and cash equivalents, beginning of period67,026170,623318,336156,249Supplemental disclosure of cash flow information:\$ 16,742\$ 17,115\$ 41,742\$ 51,612	Purchases of property, equipment and leasehold improvements	(777)	(749)	(2,151)	(2,530)
Payments for capitalized computer software costs $(26)$ $ (126)$ $-$ Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ <b>Cash flows from financing activities:</b> $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ 140,000$ Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Supplemental disclosure of cash flow information: Income taxes paid, net $\$16,742$ $\$17,115$ $\$41,742$ $\$51,612$	Acquisition related deposits	_	(255,067)	_	(255,067)
Net cash provided by (used in) investing activities $55,034$ $(234,900)$ $(52,980)$ $(204,632)$ Cash flows from financing activities: $3,049$ $417$ $7,892$ $2,862$ Exercises of stock options $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ 140,000$ Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $84,552$ $96,910$ $$84,552$ $$96,910$ $$84,552$ $$96,910$ Supplemental disclosure of cash flow information: Income taxes paid, net $$16,742$ $$17,115$ $$41,742$ $$51,612$	Payments for business acquisitions, net of cash acquired	_	_	(36,171)	
Cash flows from financing activities:Exercises of stock options $3,049$ $417$ $7,892$ $2,862$ Repurchases of common stock $(96,058)$ $(46,338)$ $(295,642)$ $(103,128)$ Payments of tax withholding obligations related to restricted stock $(1,560)$ $(1,216)$ $(4,346)$ $(3,404)$ Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ 140,000$ Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period\$84,552\$96,910\$84,552\$96,910Supplemental disclosure of cash flow information: $$16,742$ \$17,115\$41,742\$51,612	Payments for capitalized computer software costs	(26)		(126)	
Exercises of stock options 3,049 417 7,892 2,862   Repurchases of common stock (96,058) (46,338) (295,642) (103,128)   Payments of tax withholding obligations related to restricted stock (1,560) (1,216) (4,346) (3,404)   Excess tax benefits from stock-based compensation 1,312 47 2,344 1,878   Proceeds from credit agreement - 140,000 - 140,000   Payments of credit agreement issuance costs - (1,587) - (1,587)   Net cash (used in) provided by financing activities (93,257) 91,323 (289,752) 36,621   Effect of exchange rate changes on cash and cash equivalents 128 141 (90) (223)   Increase (decrease) in cash and cash equivalents 17,526 (73,713) (233,784) (59,339)   Cash and cash equivalents, beginning of period 67,026 170,623 318,336 156,249   Supplemental disclosure of cash flow information: 1 16,742 17,115 \$ 41,742 \$ 51,612	Net cash provided by (used in) investing activities	55,034	(234,900)	(52,980)	(204,632)
Repurchases of common stock(96,058)(46,338)(295,642)(103,128)Payments of tax withholding obligations related to restricted stock(1,560)(1,216)(4,346)(3,404)Excess tax benefits from stock-based compensation1,312472,3441,878Proceeds from credit agreement-140,000-140,000Payments of credit agreement issuance costs-(1,587)-(1,587)Net cash (used in) provided by financing activities(93,257)91,323(289,752)36,621Effect of exchange rate changes on cash and cash equivalents17,526(73,713)(233,784)(59,339)Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period\$ 84,552\$ 96,910\$ 84,552\$ 96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$ 16,742\$ 17,115\$ 41,742\$ 51,612	Cash flows from financing activities:				
Payments of tax withholding obligations related to restricted stock(1,560)(1,216)(4,346)(3,404)Excess tax benefits from stock-based compensation1,312472,3441,878Proceeds from credit agreement-140,000-140,000Payments of credit agreement issuance costs-(1,587)-(1,587)Net cash (used in) provided by financing activities(93,257)91,323(289,752)36,621Effect of exchange rate changes on cash and cash equivalents128141(90)(223)Increase (decrease) in cash and cash equivalents67,026170,623318,336156,249Cash and cash equivalents, beginning of period67,026170,623318,336156,249Supplemental disclosure of cash flow information:\$ 16,742\$ 17,115\$ 41,742\$ 51,612	Exercises of stock options	3,049	417	7,892	2,862
Excess tax benefits from stock-based compensation $1,312$ $47$ $2,344$ $1,878$ Proceeds from credit agreement $ 140,000$ $ 140,000$ Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $\$84,552$ $\$96,910$ $\$84,552$ $\$96,910$ Supplemental disclosure of cash flow information: Income taxes paid, net $\$16,742$ $\$17,115$ $\$41,742$ $\$51,612$	Repurchases of common stock	(96,058)	(46,338)	(295,642)	(103,128)
Proceeds from credit agreement $-$ 140,000 $-$ 140,000Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $\$84,552$ $\$$ $96,910$ $\$$ $\$41,742$ $\$$ Supplemental disclosure of cash flow information: Income taxes paid, net $\$16,742$ $\$$ $17,115$ $\$$ $$41,742$ $\$$ $$51,612$	Payments of tax withholding obligations related to restricted stock	(1,560)	(1,216)	(4,346)	(3,404)
Payments of credit agreement issuance costs $ (1,587)$ $ (1,587)$ Net cash (used in) provided by financing activities $(93,257)$ $91,323$ $(289,752)$ $36,621$ Effect of exchange rate changes on cash and cash equivalents $128$ $141$ $(90)$ $(223)$ Increase (decrease) in cash and cash equivalents $17,526$ $(73,713)$ $(233,784)$ $(59,339)$ Cash and cash equivalents, beginning of period $67,026$ $170,623$ $318,336$ $156,249$ Cash and cash equivalents, end of period $\$84,552$ $\$96,910$ $\$84,552$ $\$96,910$ Supplemental disclosure of cash flow information: Income taxes paid, net $\$16,742$ $\$17,115$ $\$41,742$ $\$51,612$	Excess tax benefits from stock-based compensation	1,312	47	2,344	1,878
Net cash (used in) provided by financing activities(93,257)91,323(289,752)36,621Effect of exchange rate changes on cash and cash equivalents128141(90)(223)Increase (decrease) in cash and cash equivalents17,526(73,713)(233,784)(59,339)Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period\$84,552\$96,910\$84,552\$96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$16,742\$17,115\$41,742\$51,612	Proceeds from credit agreement	_	140,000	—	140,000
Effect of exchange rate changes on cash and cash equivalents128141(90)(223)Increase (decrease) in cash and cash equivalents17,526(73,713)(233,784)(59,339)Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period\$ 84,552\$ 96,910\$ 84,552\$ 96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$ 16,742\$ 17,115\$ 41,742\$ 51,612	Payments of credit agreement issuance costs	_	(1,587)	_	(1,587)
Increase (decrease) in cash and cash equivalents 17,526 (73,713) (233,784) (59,339)   Cash and cash equivalents, beginning of period 67,026 170,623 318,336 156,249   Cash and cash equivalents, end of period \$ 84,552 \$ 96,910 \$ 84,552 \$ 96,910   Supplemental disclosure of cash flow information: Income taxes paid, net \$ 16,742 \$ 17,115 \$ 41,742 \$ 51,612	Net cash (used in) provided by financing activities	(93,257)	91,323	(289,752)	36,621
Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period\$84,552\$96,910\$84,552\$96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$16,742\$17,115\$41,742\$51,612	Effect of exchange rate changes on cash and cash equivalents	128	141	(90)	(223)
Cash and cash equivalents, beginning of period67,026170,623318,336156,249Cash and cash equivalents, end of period\$84,552\$96,910\$84,552\$96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$16,742\$17,115\$41,742\$51,612	Increase (decrease) in cash and cash equivalents	17,526	(73,713)	(233,784)	(59,339)
Cash and cash equivalents, end of period\$ 84,552\$ 96,910\$ 84,552\$ 96,910Supplemental disclosure of cash flow information: Income taxes paid, net\$ 16,742\$ 17,115\$ 41,742\$ 51,612		-		( ,	
Income taxes paid, net \$ 16,742 \$ 17,115 \$ 41,742 \$ 51,612					
Income taxes paid, net \$ 16,742 \$ 17,115 \$ 41,742 \$ 51,612	• • •				
	Supplemental disclosure of cash flow information:				
Interest paid 920 330 2,499 344	Income taxes paid, net	\$ 16,742	\$ 17,115	\$ 41,742	\$ 51,612
	Interest paid	920	330	2,499	344

## ASPEN TECHNOLOGY, INC. AND SUBSIDIARIES

## Reconciliation of GAAP to Non-GAAP Results of Operations and Cash Flows

(Unaudited in thousands, except per share data)

		Three Months Ended March 31,		ths Ended h 31,
<u>Total expenses</u> GAAP total expenses (a) Less: Stock-based compensation (b)	2017	2016	2017	2016
			\$196,192	
	\$67,004	\$68,536		\$196,255
	(4,677)	(4,378)	(14,307)	(12,313)
Non-capitalized acquired technology (e)	—	—	(350)	(250) (147)
Amortization of intangibles	(405)	(14)	(516)	
Acquisition related fees	(31)	(4,187)	(493)	(5,213)
Non-GAAP total expenses	\$61,891	\$ 59,957	\$180,526	\$178,332

Income from operations

GAAP income from operations	\$52,273	\$50,681	\$163,069	\$162,409
Plus:	4 077	4.070	44.007	40.040
Stock-based compensation (b)	4,677	4,378	14,307	12,313
Non-capitalized acquired technology (e)			350	250
Amortization of intangibles	405	14	516	147
Acquisition related fees	31	4,187	493	5,213
Non-GAAP income from operations	\$57,386	\$ 59,260	\$178,735	\$180,332
Net income				
GAAP net income	\$35,834	\$33,171	\$107,845	\$106,625
Plus:	·		-	
Stock-based compensation (b)	4,677	4,378	14,307	12,313
Non-capitalized acquired technology (e)	_	_	350	250
Amortization of intangibles	405	14	516	147
Acquisition related fees	31	7,623	493	8,649
Less:				
Income tax effect on Non-GAAP items (c)	(1,554)	(4,325)	(5,248)	(7,689)
Non-GAAP net income	\$ 39,393	\$40,861	\$118,263	\$120,295
Diluted in second and				
Diluted income per share	¢ 0.47	¢ 0.40	<b>*</b> 4.00	↑ 107
GAAP diluted income per share	\$ 0.47	\$ 0.40	\$ 1.39	\$ 1.27
Plus: Steel beend componentien (b)	0.06	0.05	0.18	0.15
Stock-based compensation (b)	0.06	0.05		0.15
Non-capitalized acquired technology (e)	0.01	0.00	0.00 0.01	0.00
Amortization of intangibles	0.01	0.00 0.09	0.01	0.00
Acquisition related fees Less:	0.00	0.09	0.01	0.10
	(0.02)	(0.05)	(0.07)	(0.00)
Income tax effect on Non-GAAP items (c)	(0.02)	(0.05)	(0.07)	(0.09)
Non-GAAP diluted income per share	\$ 0.52	\$ 0.49	\$ 1.52	\$ 1.43

## ASPEN TECHNOLOGY, INC. AND SUBSIDIARIES

## Reconciliation of GAAP to Non-GAAP Results of Operations and Cash Flows

(Unaudited in thousands, except per share data)

	Three Months Ended March 31,			nths Ended ch 31,	
	2017	2016	2017	2016	
Free Cash Flow					
GAAP cash flow from operating activities	\$ 55,621	\$ 69,723	\$109,038	\$108,895	
Purchase of property, equipment and leasehold improvements	(777)	(749)	(2,151)	(2,530)	
Capitalized computer software development costs	(26)	_	(126)	_	
Non-capitalized acquired technology (e)	_	_	846	1,250	
Excess tax benefits from stock-based compensation (d)	1,312	47	2,344	1,878	
Acquisition related fee payments	35	6,068	448	6,068	
Litigation related payments	_	2,080	_	2,080	
Free Cash Flow	\$ 56,165	\$ 77,169	\$110,399	\$117,641	

(a) GAAP total expenses

	Three Mor Marc	Nine Months Ender March 31,		
	2017	2016	2017	2016
Total costs of revenue	\$ 12,267	\$ 12,020	\$ 35,352	\$ 36,880
Total operating expenses	54,737	56,516	160,840	159,375
GAAP total expenses	\$ 67,004	\$ 68,536	\$196,192	\$196,255

(b) Stock-based compensation expense was as follows:

	Three Mo Mar	Nine Months Ended March 31,		
	2017	2016	2017	2016
Cost of services and other	\$ 363	\$ 343	\$ 1,106	\$ 1,049
Selling and marketing	972	1,797	2,937	3,547
Research and development	1,618	871	4,177	2,543
General and administrative	1,724	1,367	6,087	5,174
Total stock-based compensation	\$ 4,677	\$ 4,378	\$ 14,307	\$ 12,313

(c) The income tax effect on non-GAAP items for the three and nine months ended March 31, 2017 and 2016 is calculated utilizing the Company's estimated federal and state tax rate.

(d) Excess tax benefits are related to stock-based compensation tax deductions in excess of book compensation expense and reduce our income taxes payable. We have included the impact of excess tax benefits in free cash flow to be consistent with the treatment of other tax activity.

(e) In the nine months ended March 31, 2017 and March 31, 2016, we acquired technology that did not meet the accounting requirements for capitalization and therefore the cost of the acquired technology was expensed as research and development. We have excluded the expense of the acquired technology from non-GAAP operating income to be consistent with transactions where the acquired assets were capitalized. In the nine months ended March 31, 2017 and 2016, we have excluded payments of \$0.8 million and \$1.3 million, respectively, for the non-capitalized acquired technology (including \$0.5 million and \$1 million, respectively, of final payments related to non-capitalized acquired technology from prior fiscal periods) from free cash flow to be consistent with the treatment of other transactions where the acquired assets were capitalized.

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