José Pablo Lucero Lorca

APPLIED MATHEMATICIAN - NUMERICAL ANALYST - NUCLEAR ENGINEER 3080 Pearl Parkway, APT D-415, Boulder, CO, 80301

 ¶+1(720)919-9118 | ■ jpablo.lucero@gmail.com | ♠ https://pablo.world/math | ♠ jpablolucero | ➡ jpablolucero

INVOICE

Recipient

Electro Magnetic Applications Inc.

143 Union Blvd #900, Lakewood, CO, 80228, United tim@ema3d.com States of America

Timothy

Total

\$3,900.00

McDonald

Electronic payment information Wells Fargo - Account number 8094382838 - Routing number 102000076					
Invoice Number	Date November 20, 2024	Payment Due November 30, 2024	Project Name Charge Plus Optimization		
AAA202411200					
ITEM			TIME [min]	RATE [\$/minute]	SUBTOTAL
October					
EMA3D-1418					
Study of the interactions in reflection, sheath and repartitions. The complexity of the decision tree is substantial. It will need to be addressed carefully before getting any gains.			180	5	\$900.00
EMA3D-1418					
Got a better understanding of the decision tree. There are definitely simplifications to be done but still need a deeper study. Shifting to ScatterCharge for now.			180	5	\$900.00
November					
EMA3D-1418					
Had issues with SonicWall VPN, called Synagex and they couldn't find a solution unfortunately. Problem continued during the weekend and solved itself somehow on Monday Nov 4.		60	5	\$300.00	
EMA3D-1418					
20% speedup achie PIC::ScatterCharge(U Reported to Bryon in JIRA	int) and TE4SubStruct::Values	, .	240	5	\$1,200.00
EMA3D-1418		_			
New timings and reporting back to Bryon on a JIRA comment.		60	5	\$300.00	
EMA3D-1418					
Sub-timing of reflections required dedicated timing routine not to affect the overall time too much. Results show in Reflections, 43% is spent in PIC::CurrentElement(vector, vector, Uint) and 27% in PIC::Reflections(Uint, double)		60	5	\$300.00	