

CLAIMS

1. A method for coordinating processing requests by at least one processor, the method comprising:

receiving, from one or more data sources, signals representing requests for execution of a plurality of data processes, each data process representing at least one trade request for execution by a plurality of computing resources, the plurality of computing resources connected to the at least one processor by at least one communication channel;

associating, by the at least one processor, each of the plurality of data processes with a corresponding timing delay which is to elapse before the corresponding data process of the plurality of data processes is provided for execution, each of the corresponding timing delays determined such that the plurality of data processes are provided for execution in a desired sequence; and

providing, by the at least one processor, to the plurality of computing resources via the at least one communication channel, each of the plurality of data processes for execution by the plurality of computing resources after the corresponding timing delay has elapsed.
2. The method of claim 1, wherein the timing delay is based at least in part on network latencies.
3. The method of claim 1, wherein at least one timing delay associated with at least one of the plurality of data processes is zero.
4. The method of claim 1, wherein the corresponding timing delay is selected from within a range of timing parameters.
5. The method of claim 1, comprising: determining timing delays for association with the corresponding plurality of data processes such that the timing delays reduce an amount of time during which a third party can react to at least one of the at least one trade request.
6. The method of claim 5, wherein the timing delays are determined to reduce an amount of time during which the third party can enact an opportunistic trade in reaction to at least one of the at least one trade request.
7. The method of claim 1, wherein the corresponding timing delay is based at least in part on an order quantity of the at least one trade request.
8. The method of claim 1, wherein the corresponding timing delay is based at least in part on a time threshold within which a third party can react to at least one of the at least one trade request.

9. ~~_____ A system for causing synchronized~~coordinating processing of data by multiple networked computing resources, the system comprising at least one processor configured to ~~execute machine-interpretable instructions and causing the system to:~~

~~receive, from one or more data sources, signals representing instructions~~requests for execution of at least one ~~a plurality of data process executable processes, each data process representing at least one trade request for execution by a plurality of execution processors;~~

~~divide the at least one data process into a plurality of data processing segments, each data processing segment to be routed to a different one of a~~computing resources, the plurality of networked execution processors, wherein the networked execution processors comprise one or more exchange servers and the data processing segments represent requests for trades in financial interestscomputing resources connected to the at least one processor by at least one communication channel;

~~based at least partly on latencies in execution of prior data processing requests routed by the system to associate, by the at least one processor, each of the plurality of networked execution processors, determine a plurality of timing parameters, each of the plurality of timing parameters to be associated~~data processes with a corresponding one of the plurality of data processing segments, the plurality of timing parameters determined to cause synchronized executiontiming delay which is to elapse before the corresponding data process of the plurality of data processing segments by the plurality of networked execution processors; and

~~using the timing parameters associated with the plurality of data processing segments, route the plurality of data processing segments to the plurality of corresponding networked exchange servers~~processes;

2. ~~_____ The system of claim 1, wherein at least one of the plurality of determined timing parameters is determined based at least partly on dynamically-monitored latency in execution of signal processing requests routed by the system to at least one of the plurality of networked execution processors.~~

3. ~~_____ The system of claim 1, wherein at least one of the plurality of determined timing parameters is determined based at least partly on at least one of: communication delay and processing delay~~provided.

4. ~~_____ The system of claim 1, wherein at least one of the plurality of determined timing parameters is determined based at least partly on a latency probability model.~~

5. ~~_____ The system of claim 1, wherein the financial interests include at least one of commodities and intangible interests.~~

6. ~~_____ The system of claim 1, wherein the financial interests include at least one of stocks, bonds, and options.~~

~~7. The system of claim 1, wherein the at least one processor is further configured to execute instructions for causing the system to: execution, each of the corresponding timing delays determined such that the plurality of data processes are provided for execution in a desired sequence; and~~

~~provide, by the at least one processor, to the plurality of computing resources via the at least one communication channel, each of the plurality of data processes for execution by the plurality of computing resources after the corresponding timing delay has elapsed.~~

~~10. The system of claim 9, wherein the timing delay is based at least in part on network latencies.~~

~~11. The system of claim 9, wherein associate with each of at least one timing delay associated with at least one of the plurality of data processes is zero.~~

~~12. The system of claim 9, wherein the corresponding timing delay is selected from within a range of timing parameters.~~

~~13. The system of claim 9, wherein the at least one processor is configured to: determine timing delays for association with the corresponding plurality of data processes such that the timing delays reduce an amount of time during which a third party can react to at least one of the at least one trade request.~~

~~14. The system of claim 13, wherein the timing delays are determined to reduce an amount of time during which the third party can enact an opportunistic trade in reaction to at least one of the at least one trade request.~~

~~15. processing segments data representing The system of claim 9, wherein the corresponding timing delay is based at least in part on an order quantity of the at least one trade request.~~

~~16. quantity term, the The system of claim 9, wherein the corresponding timing delay is based at least in part on a time threshold within which a third party can react to at least one quantity term representing of the at least one trade request.~~

~~17. quantity of a financial interest to be traded in accordance with a request represented each of the A non-transitory, computer-readable medium or media having stored thereon computer-readable instructions which when executed by at least one data processing segments, and at processor cause the least one corresponding price term associated with each such quantity term, the quantity term processor to:~~

~~receive, from one or more data sources, signals representing requests for execution of a plurality of data processes, each data process representing at least one proposed price at which a trade represented trade request for execution by a plurality of computing resources, the plurality of computing resources connected to the at least one processor by at least one communication channel;~~

associate, by the at least one data processing segment is to be executed; processor, each of the plurality of data processes with a corresponding timing delay which is to elapse before the corresponding data process of the plurality of data processes is provided for execution, each of the corresponding timing delays determined such that the plurality of data processes are provided for execution in a desired sequence; and

the at least one quantity term larger than at least one quantity of the financial interest publicly offered at a price equivalent to the corresponding associated price term, in a market associated with the networked execution processor(s) to which the at least one data processing segment is to be routed provide, by =

8. The system of claim 7, wherein the at least one quantity term is determined based processor, to the plurality of computing resources via the at least partly on a trading history associated with the market associated with the networked execution processor to which the data processing segment is to be routed one communication channel, =

9. A system for causing synchronized processing of data by multiple networked computing resources, the system comprising at least one processor configured to execute machine-interpretable instructions and causing the system to:

monitor execution of signal processing execution requests by each of a plurality of networked execution processors;

determine at least one timing parameter associated with a latency in execution of signal processes between the system and each of the plurality of networked execution processors, the at least one timing parameter determined to cause synchronized execution of a plurality of data processing requests by the plurality of networked execution processors; and

store the at least one timing parameter in machine-readable memory;

wherein the networked execution processors comprise exchange servers and the data processing segments represent requests for trades in financial interests data processes for execution =

10. The system of claim 9, wherein the at least one latency is associated with at least one of: communication delay and processing delay.

11. The system of claim 9, wherein the execution of signal processing requests is monitored periodically.

12. The system of claim 9, wherein the execution of signal processing execution requests is monitored continually.

~~13. — A method of causing synchronized processing of data by multiple networked computing resources, the method performed by at least one processor executing machine-interpretable instructions configured to cause the at least one processor to:~~

~~receive from one or more data sources signals representing instructions for execution of at least one data process executable by a the plurality of networked computing resources;~~

~~divide the at least one data process into a plurality of data processing segments, each data processing segment to be routed to a different one of a plurality of networked execution processors, wherein the data processing segments represent requests for trades in one or more financial interests;~~

~~based at least partly on latencies in execution of prior data processing requests routed by the system to each of the plurality of networked execution processors, determine a plurality of timing parameters, each of the plurality of timing parameters to be associated with a corresponding one of the plurality of data processing segments, the plurality of timing parameters determined to cause synchronized execution of the plurality of data processing segments by the plurality of networked execution processors; and~~

~~using the timing parameters associated with the plurality of data processing segments, route the plurality of data processing segments to the plurality of corresponding networked execution processors.~~

~~14. — The method of claim 13, wherein the machine-interpretable instructions are further configured to cause the at least one processor to:~~

~~associate with each of at least one of the plurality of data processing segments data representing at least one quantity term, the at least one quantity term representing at least one quantity of a financial interest to be traded in accordance with a request represented by the at least one data processing segment, and at least one corresponding price term associated with each such quantity term, the price term representing at least one proposed price at which a trade represented by the at least one data processing segment is to be executed;~~

~~the at least one quantity term larger than at least one quantity of the financial interest publicly offered at a price equivalent to the corresponding associated price term, in a market associated with the networked execution processor(s) to which the at least one data processing segment is to be routed.~~

~~15. — A method of causing synchronized processing of data by multiple networked computing resources, the method performed by at least one processor executing machine-interpretable instructions configured to cause the at least one processor to:~~

~~monitor execution of signal processing execution requests by each of the plurality of networked computing resources;~~

~~determine at least one timing parameter associated with a latency in execution of signal processes between the system and each of the plurality of networked computing resources; and~~

~~store the at least one timing parameter in machine-readable memory accessible by the at least one processor;~~

~~wherein the plurality of signal processing execution requests represent requests for transactions in one or more financial interests and the plurality of timing parameters are determined to cause synchronized execution of the execution requests by the plurality of networked computing resources;~~

~~16. —A computer-readable medium or media comprising non-transient machine-readable programming structures configured to cause synchronized processing of data by multiple networked computing resources; the programming structures configured to cause at least one processor to:~~

~~receive from one or more data sources signals representing instructions for execution of at least one data process executable by a plurality of networked computing resources;~~

~~divide the at least one data process into a plurality of data processing segments, each data processing segment to be routed to a different one of a plurality of networked execution processors, wherein the data processing segments represent requests for trades in one or more financial interests;~~

~~based at least partly on latencies in execution of prior data processing requests routed by the system to each of the plurality of networked execution processors, determine a plurality of timing parameters, each of the plurality of timing parameters to be associated with a corresponding one of the plurality of data processing segments, the plurality of timing parameters determined to cause synchronized execution of the plurality of data processing segments by the plurality of networked execution processors; and~~

~~using the timing parameters associated with the plurality of data processing segments, route the plurality of data processing segments to the plurality of corresponding networked execution processors after;~~

~~17. —The medium or media of claim 16, wherein the machine-interpretable instructions are further configured to cause the at least one processor to:~~

~~associate with each of at least one of the plurality of data processing segments data representing at least one quantity term, the at least one quantity term representing at least one quantity of a financial interest to be traded in accordance with a request represented by the at least one data processing segment, and at least one corresponding price term associated with each such quantity term, the price term representing at least one proposed price at which a trade represented by the at least one data processing segment is to be executed;~~

~~the at least one quantity term larger than at least one quantity of the financial interest publicly offered at a price equivalent to the corresponding associated price term, in a market associated with the networked execution processor(s) to which the at least one data processing segment is to be routed~~timing delay has elapsed.

~~18. A computer-readable medium or media comprising non-transient machine-readable programming structures configured to cause synchronized processing of data by multiple networked computing resources, the programming structures configured to cause at least one processor to:~~

~~monitor execution of signal processing execution requests by each of the plurality of networked computing resources;~~

~~determine at least one timing parameter associated with a latency in execution of signal processes between the system and each of the plurality of networked computing resources; and~~

~~store the at least one timing parameter in machine-readable memory accessible by the at least one processor.~~

~~wherein the plurality of signal processing execution requests represent requests for transactions in one or more financial interests and the plurality of timing parameters are determined to cause synchronized execution of the execution requests by the plurality of networked computing resources.~~