CLAIMS

1. An intelligent hotspot scattering method, comprising:

learning a request quantity curve of a URL based on an artificial intelligence learning model and predicting a request quantity of the URL;

determining, as a first URL, a URL of which a predicted request quantity of the URL is greater than or equal to a first predetermined request quantity threshold corresponding to the URL, and performing a first hotspot scattering operation on the first URL; and

determining, as a second URL, a URL of which the request quantity of the URL cannot be predicted and an actual request quantity is greater than or equal to a second predetermined request quantity threshold corresponding to the URL, and performing a second hotspot scattering operation on the second URL.

2. The intelligent hotspot scattering method according to claim 1, wherein the performing a first hotspot scattering operation on the first URL comprises:

randomly or evenly distributing requests for the first URL to processes of multiple cache servers and/or origin servers.

3. The intelligent hotspot scattering method according to claim 1, wherein the performing a second hotspot scattering operation on the second URL comprises:

searching for one or more destination processes of the second URL;

randomly or evenly distributing new requests for the first URL to processes of multiple cache servers and/or origin servers other than the one or more destination processes; and/or

randomly or evenly redistributing old requests for the first URL to processes of multiple cache servers and/or origin servers other than the one or more destination processes.

4. The intelligent hotspot scattering method according to claim 3, wherein the performing a second hotspot scattering operation on the second URL further comprises:

determining that a size of a request file for the second URL is greater than a specified file size; and/or

after the one or more destination process have executed responses to the requests for the second URL, the responses being obtaining and sending of the request file or sending the request file, randomly or evenly distributing new requests for the first URL to

processes of multiple cache servers and/or origin servers, and/or randomly or evenly redistributing old requests for the first URL to processes of multiple cache servers and/or origin servers; and/or

the learning a request quantity curve of a URL based on an artificial intelligence learning model and predicting a request quantity of the URL comprises:

performing cluster analysis on URLs by a clustering algorithm, automatically drawing a request quantity or a real-time request quantity of URLs of a same category in a preset historical period as a request quantity curve corresponding to URLs of the category, and predicting a request quantity of the URLs of the category according to the request quantity curve of the URLs of the category.

5. An intelligent hotspot scattering apparatus, comprising:

an artificial intelligence learning model, configured to learn a request quantity curve of a URL and predict a request quantity of the URL;

a first hotspot scattering module, configured to determine, as a first URL, a URL of which a predicted request quantity of the URL is greater than or equal to a first predetermined request quantity threshold corresponding to the URL, and perform a first hotspot scattering operation on the first URL; and

a second hotspot scattering module, configured to determine, as a second URL, a URL of which the request quantity of the URL cannot be predicted and an actual request quantity is greater than or equal to a second predetermined request quantity threshold corresponding to the URL, and perform a second hotspot scattering operation on the second URL.

6. The intelligent hotspot scattering apparatus according to claim 5, wherein the first hotspot scattering module is further configured to:

randomly or evenly distribute requests for the first URL to processes of multiple cache servers and/or origin servers.

7. The intelligent hotspot scattering apparatus according to claim 5, wherein the second hotspot scattering module is further configured to:

search for one or more destination processes of the second URL;

randomly or evenly distribute new requests for the first URL to processes of multiple cache servers and/or origin servers other than the one or more destination processes;

and/or

randomly or evenly redistribute old requests for the first URL to processes of multiple cache servers and/or origin servers other than the one or more destination processes; and/or

the artificial intelligence learning model is further configured to:

perform cluster analysis on URLs by a clustering algorithm, automatically drawing a request quantity or a real-time request quantity of URLs of a same category in a preset historical period as a request quantity curve corresponding to URLs of the category, and predict a request quantity of the URLs of the category according to the request quantity curve of the URLs of the category.

8. The intelligent hotspot scattering apparatus according to claim 7, wherein the second hotspot scattering module is further configured to:

determine that a size of a request file for the second URL is greater than a specified file size; and/or

after the one or more destination process have executed responses to the requests for the second URL, the responses being obtaining and sending of the request file or sending the request file, randomly or evenly distribute new requests for the first URL to processes of multiple cache servers and/or origin servers and/or randomly or evenly redistribute old requests for the first URL to processes of multiple cache servers and/or origin servers.

9. A storage medium having a computer program stored thereon that, when executed by a processor, implements the steps of the method according to any one of claims 1-4.

10. A computer device, comprising a memory, a processor, and a computer program stored on the memory and capable of running on the processor, wherein the computer program implements, when executed by the processor, the steps of the method according to any one of claims 1-4.