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Limitations

Rate limits

Please note that the following rate limits apply to all of the machines under your control as a whole. You should not attempt to overcome these limits by increasing the number of machines used to make requests. If your use-case requires a higher request rate, please contact our support team at help@arxiv.org.

- When using the legacy APIs (including OAI-PMH, RSS, and the arXiv API), make no more than one request every three seconds, and limit requests to a single connection at a time.

- When using services via the arXiv API Gateway, make no more than 4 requests per second per connection, and limit requests to four connections at a time.

These limits may change in the future.

Authentication & Authorization

In order to use services available via the arXiv API Gateway, you must obtain an authentication token that can be used in OAuth2 authentication workflows.

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- A better search interface;

- A mobile app that notifies users about e-prints that might be of interest to them;

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- Build other kinds of interfaces that help users to interact with arXiv in new and useful ways, leveraging our APIs.

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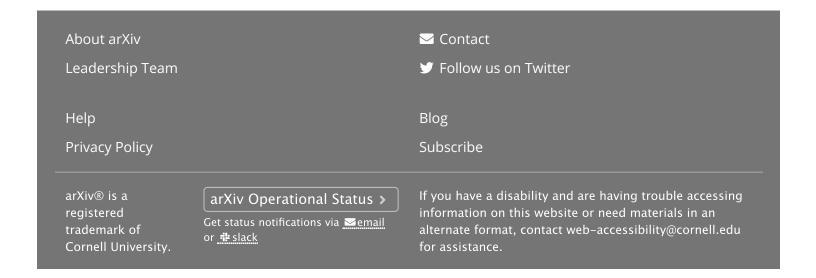
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- Attempt to circumvent rate limits.

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[1]Descriptive metadata includes information for discovery and identification purposes, and includes fields such as title, abstract, authors, identifiers, and classification terms. For details about arXiv metadata, see https://arxiv.org/help/prep.

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