

کمیته بانوان شورای ریاضی دانشگاه پیام نور برگزار می کند



دانشگاه پیام نور

نکوداشت پروفیسور مریم میرزاخانی

روز جهانی زنان در ریاضیات

$$e^{t^2} + 1 = 0$$

$$\frac{\partial u}{\partial t} = \Delta u$$

$$B^2 \cdot G \cdot C$$

$$\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$$

$$\nabla \cdot \mathbf{E} = \frac{\rho}{\epsilon_0}$$

$$\frac{d}{dz} e^z = e^z$$

$$K = -1$$

$$\nabla \cdot \mathbf{B} = \frac{\rho}{\epsilon_0}$$

$$\nabla \cdot \mathbf{E} = 0$$

$$\int_K dA = 2\pi\chi$$

$$\Delta_g f = -\lambda f$$

$$(s) = \sum_{n=1}^{\infty} \frac{1}{n^s}$$

$$\text{Vol}(M_{g,n})$$

$$x-1$$

$$d\alpha - \frac{d\alpha dy}{y^2}$$

$$N(L) = \frac{e^L}{L}$$

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Simple geodesics on
hyperbolic surfaces and volumes
of the moduli spaces of curves

Maryam Mirzakhani

Let $F_{g,n}$ be a hyperbolic surface of genus g with n geodesic boundary components $\partial_0, \dots, \partial_n$. In the moduli space, $M_{g,n}$, let γ be a (1,2) be the number of simple closed geodesics of length at most L on $F_{g,n}$. Let $L \rightarrow \infty$.

$$N(L) \sim \frac{e^L}{L}$$

We also relate this asymptotic to the volume of $M_{g,n}$.

$$\Delta_g f = 0$$

Counting mapping classes
with applications to Weil-Petersson
volumes of moduli spaces
of bordered Riemann surfaces

Maryam Mirzakhani

Let $F_{g,n}$ be a bordered Riemann surface, let $M_{g,n}$ be its mapping class group, and let $N_{g,n}(L)$ be the number of mapping classes whose length (in terms of Dehn twists) is at most L . We relate asymptotic growth of $N_{g,n}(L)$ to the Weil-Petersson volume of moduli spaces of bordered surfaces.

Growth of the number of simple
closed geodesics on hyperbolic
surfaces

Maryam Mirzakhani

Let $F_{g,n}$ be a closed hyperbolic surface of genus g and n geodesic boundary components. Let $N(L)$ be the number of simple closed geodesics of length at most L .

$$N(L) \sim \frac{e^L}{L}$$

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۱۴۰۵/۲/۲۲

تاریخ برگزاری:



۱۸

ساعت برگزاری:



لینک ورود:

https://meeting.pnu.ac.ir/basic_sciences