

Sanskrit Katapayadi based Shloka (verse) to remember 30 decimal digits of π

Learn. Play. Create. - chooMantra - Its Magical - Rajeev G.Mavinkurve

Scripts

Indic

Teluau

Urdu

About π

T (pi) is a **constant** which is **the ratio of a circle's**

Example 7 For the symbol π (16th letter of Greek alphabet) was first used by British mathematician William Jones in 1706 to represent the ratio and was popularized by Swiss mathematician Leonhard Euler, who adopted it in 1737. "pi" itself was derived from the 1st letter of the Greek word *perimetros* (means *circumference*)

Its the famous irrational number. In 1761, Johann **Heinrich Lambert** proved that π is irrational: that is, it cannot be expressed as a ratio of integer numbers.

In **1882**, Ferdinand von Lindemann proved that π is transcendental as well. A transcendental number is a possibly complex) number that is not an algebraic number that is, not a root (i.e., solution) of a nonzero polynomial equation with integer coefficients.

The concept of pi has been in use since **2000 BCE**.by Babylonians, Indians, Chinese, Arabs. Early in the 20th century, Indian mathematician Srinivasa Ramanujan developed exceptionally efficient ways of calculating pi that







gopībhāgyamadhuvrāta-śrngiśodadhisandhiga. Khalajīvitakhātāva galahālārasamdhara ..

	Harvard Kyoto	gopIbhAgyamadhuvrAta-zRGgizodadhisandhiga . KhalajIvitakhAtAva galahAlArasaMdhara						
	ITRANS	gopIbhAgyamadhuvrAta-shR^i~Ngishodadhisandhiga . KhalajIvitakhAtAva galahAlArasaMdhara						
oman	SLP1	gopIBAgyamaDuvrAta-SfNgiSodaDisanDiga . KalajIvitaKAtAva galahAlArasaMDara						
R	Velthius	gopiibhaagyamadhuvraata-"s.r"ngi"sodadhisandhiga . khalajiivitakhaataava galahaalaarasa.mdhara						
	wx	gopIBAgyamaXuvrAwa-SqfgiSoxaXisanXiga . KalajIviwaKAwAva galahAlArasaMXara						
	Burmese (Myanmar)	ဂေါပီဘာဂျမဓုဝြာတ-ၐၖဂ်ိဳေရာဒဓိသန္ဓိဂ ၊ ခလဇီဝိတခါတာဝ ဂလဟာလာရသံဓရ ။						
nal	Cyrillic (Russian)	гопйбха́гйамадхувра́та-ш́рні́гиш́одадхисандхига . кхаладжйвитакха́та̀ва галаха̀ла́расамдхара						
ernatio	Javanese	ពណាខលិទ្ធភរុណ្យាខាធា(យុះចោ-ឈ្មេញព្រំឈុះជាដាសត្តេណា չ សេឈាន៍បាយអសេរថាវ័យ ណាយិយាខណះបារាសំធាវ៉ា »						
Inte	Sinhala	ගෝපීභාග්යමධුව්රාත-ශෘඞ්හිශෝදධිසන්ධිග. බලජීවිතඛාතාව ගලහාලාරසංධර						
	Thai	โคปีภาคยมธุวราต-ศุฤงุคิโศทธิสนุธิค ฯ ขลชีวิตขาตาว คลหาลารสู่ธร ๚						

Kata	nat	vadi
Tata	pa	au

The "ka-Ta-na-va" method (developed and used by ancient Indian mathematicians. grammarians & musicians) is a tool to map Sanskrit Devanagari letters to numbers and encode numbers in easy to remember verse.

All independent vowels are assigned 0. All independent consonants (without a attached vowel) are ignored. Consonants (with any vowel) are given values as per table on the right.

										-								
@RajeevGM @chooMantra		@RajeevGM		@chooMantra			@RajeevGM		@chooMantra		@RajeevGM		@chooMantra		a	@Rajeev		
The shloka decoded using th Katapayadi rules (described		3	1	4	1	5	9	2	6	5	3	5	8	9	7	9	3	
above) will give the below 3 digit number	2 RajeevG	गो	पी	भा	ਾਧ	म	धु	व्रा	त	যূ	ङ्गि	शो	द	धि	स	न्धि	ग	
3141592653589793238462643 32792	38	go	pī	bhā	gya	ma	dhu	vrā	ta	śŗ	'ngi	śo	da	dhi	sa	ndhi	ga	
52172			@RajeevGM		@chooMantra			@RajeevGM		@chooMantra		@RajeevGM		@chooMantra		a	@Rajeev	
as shown in the table to the right.	> >	2	3	8	4	6	2	6	4	3	3	8	3	2	7	9	2	
Placing the decimal dot after	ajeevGl	ख	ल	जी	वि	त	खा	ता	व	ग	ल	हा	ला	र	सं	ध	र	
first digit will yield the value pi correct to 30 decimal digit	of [©] ts	Kha	la	jī	vi	ta	khā	tā	va	ga	la	hā	lā	ra	saṃ	dha	ra	
@RajeevGM @cho	ooMantra	а	@Rajeev	/GM	@ch	ooMantra		@RajeevGM		@chooM	lantra	@R	ajeevGM		@chooMantra	а	@Rajeev	

Give a man a bowl of rice, you feed him for a day. Teach him farming, you not only feed him for life, but also empower him to feed others for life – Rajeev G.Mavinkurve

	FIRST MEANING:- (Oh Krishna,) the fortune of the Gopis, the detoryer of the demon Madhu, protector of cattle, the one who ventured the ocean-depths, destroyer of evildoers,one with plough on the shoulder and the bearer of nectar, may (you) protect (us)! SECOND MEANING:- Benefactor of the downtrodden,Pashupati lord of kailasha,Vishnu's friend destroyer of all evil,one who held poison in his throat,(O Shiva) protect me. THIRD MEANING:- This shloka has a mathematical meaning too. It has 30 decimal places of pi encoded. (It is believed to have a self sustained master key to calculate pi upto any number of places)						
ss Be	amese/ engali	গোপীভাগ্যমধুৱাত-শৃঙ্গিশোদধিসন্ধিগ ৷ খলজীৱিতখাঁতাৱ গলহালাৰসংধৰ ৷					
Gı	ıjarati	ગોપીભાગ્યમધુવાત-શૂડિંગશોદધિસન્ધિગ ખલજીવિતખાતાવ ગલહાલારસંધર					
Kannada		ಗೋಪೀಭಾಗ್ಯಮಧುವ್ರಾತ-ಶೃಂಗಿಶೋದಧಿಸಂಧಿಗ. ಖಲಜೀವಿತಖಾತಾವ ಗಲಹಾಲಾರಸಂಧರ					
Ial	ayalam	ഗോപീഭാഗ്യമധുവ്രാത-ശ്യംഗിശോദധിസന്ധിഗ. ഖലജീവിതഖാതാവ ഗലഹാലാരസന്ധര					
et Ma	ei Mayak nipuri)	။ ៕៤១៩៩០ៗរា <u>យមួល-សម្ពីស្ត្</u> មដូ <u>ស្មា</u> ទែររាសេរា ॥					
c	Driya	ଗୋପୀଭାଗ୍ୟମଧୁବ୍ରାତ-ଶୃଙ୍ଗିଶୋବଧିସନ୍ଧିଗ । ଖଲଜୀବିତଖାତୀବ ଗଲହାଲାରସଂଧର ॥					
Ρι Gu	ınjabi rmukhi)	ਗੋਪੀਭਾਗ੍ਰ੍ਯਮੁਧੁਵ੍ਰਾਤ-ਸ਼ੁੁਙ੍ਗਿਸ਼ੋਦਧਿਸਨਧਿਗ । ਖਲਜੀਵਿਤਖਾਤਾਵ ਗਲਹਾਲਾਰਸੰਧਰ ⊫					
Τ	amil	கோபீபாக்யமதுவராத ஷருகிஷோததிஸந்திக காலஜீவிடகாதாவ கலஹாலாரஸம்தர					

గోపీభాగ్యమధు[వాత-శృంగిశోదధిసంధిగ ఖలజీవితఖాతావ గలహాలారసంధర ..

گوبيبھاڭيَمَدھُوْراتَ شُرِنْگِشودَدھِسَنْدھِگَ۔ کھَلَجِيوتَکھاتاوَ گُلَّہالَارَ سَندھَرَ۔۔

1	2	3	4	5	6	7	8	9	0	0
क	ख	ग	घ	ਝਂ	च	छ	ज	झ	স	अ आ द ई उ
ट	ਠ	ड	ढ	ण	त	थ	दु	ध	न	ऊ ऋ ऋ ऌ ॡ
प	দ্দ	ब	भ	म						ए ऐ ओ औ अं
य	र	ल	व	যা	ष	स	ह			ઝઃ





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